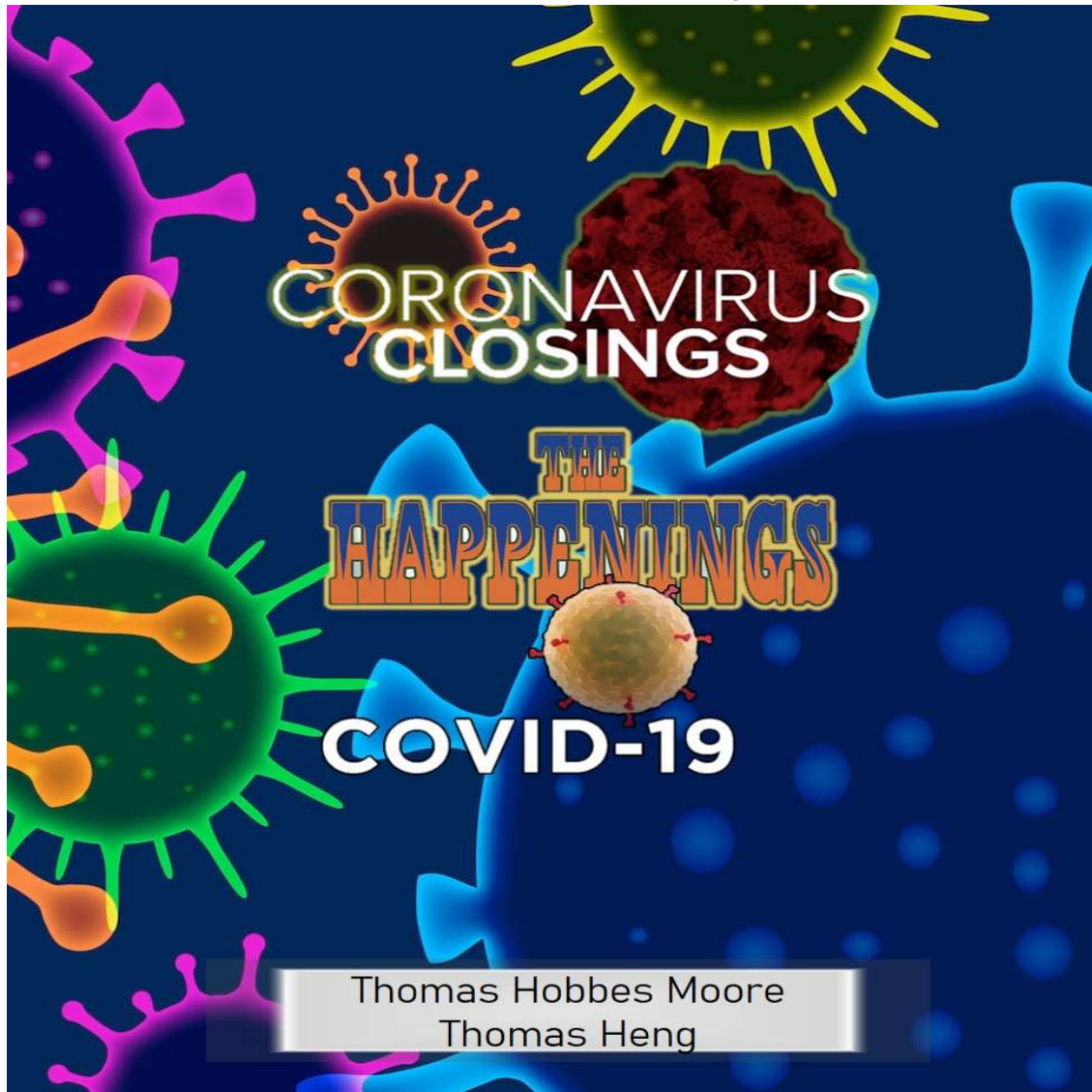


Coronavirus Closings



Coronavirus closings took a heavy toll on the world economy like a sweeping tidal wave across the globe with no boundaries. The outbreak had given a hardest blow to the world economy and wiped off all the reaping profits gained from the past years, and now tumbling all the stock shares down like a stack of cards, sending the stock market into turmoil across the world. Household and businesses suffer painful consequences, resulting in job losses and closures of business. Develop countries with relatively stable governments are quick to response to COVID-19 with countermeasures while poorer countries like Africa, Latin America and South Asia had not much defences to fight the bug as they have no safety net and no savings at all.

Countries have closed down their borders with no flights flying and no tourists coming in. Healthcare services are stretched beyond their limits as waves of patients keep flooding in the hospitals' hallways pleading for doctors and nurses help to check upon their health status. Millions of people are self-isolating at home fearing of getting the virus from symptomatic and asymptomatic carriers. Fiscal stimulus packages are rolling out by government to cushion the pandemic and to save ailing businesses and ensuring workers and employees still continue getting paid in the rough times ahead. Economists are saying that recessions are still on the cards.

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Coronavirus Closings

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Coronavirus Closings

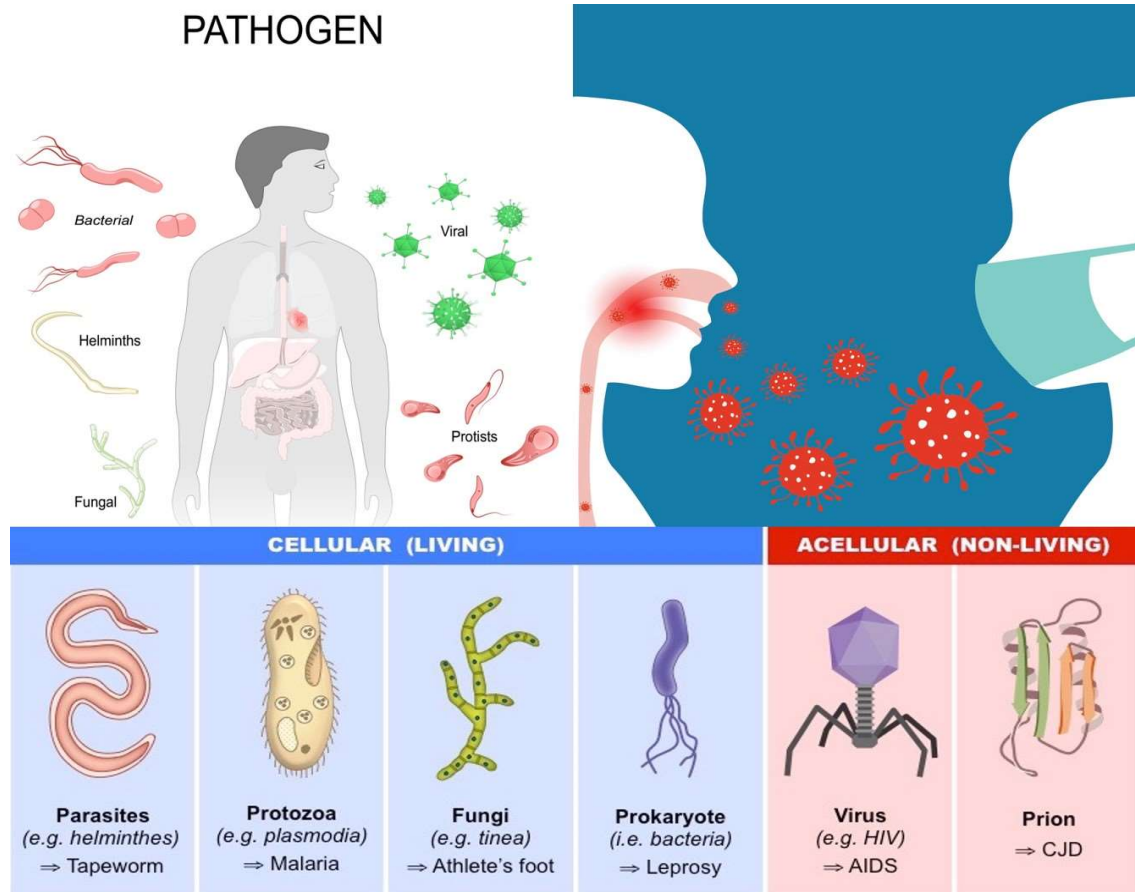
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Coronavirus Closings

Pathogens

A pathogen is a bacterium, virus, germ, or other micro-organism that can cause infectious diseases.



In our human body, we are naturally surrounded by many germs which we cannot see with our naked eyes. Typically, they are all around us for instance in the air, soil and water, on food, plants, animals, on non-living surfaces and also inside our body.

Typically, the germs inside our body cannot cause any harm effects on us because of our healthy body immunity system that will automatically respond to it, fighting and protecting us against any infectious bacteria that comes along its way.

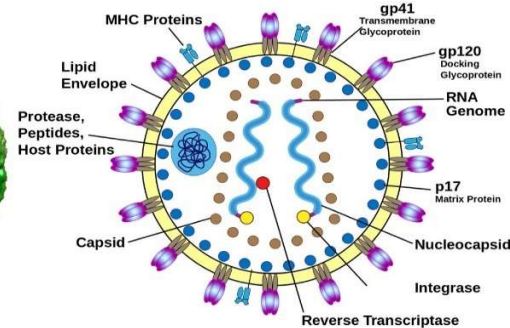
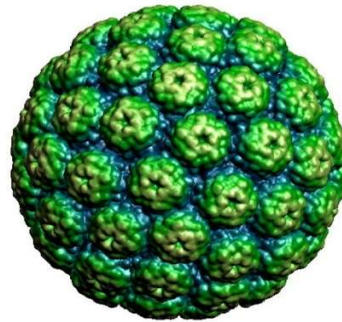
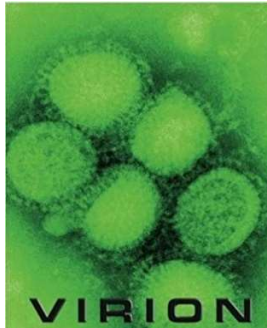
However, we can suffer serious attack if our **immune system is weakened and totally breakdown**. Then these microbes will be able to sneak into our body inner organ through the passageway of our nostrils, by our hands touching the eyes or putting inside our mouth or bruises and open wounds that breach through our skin layer's barriers.

Coronavirus Closings

Some diseases are spread through direct contact with another person who had infected skin, mucous membranes, or by their bodily fluids like coughing and sneezing out and by sexually transmitted diseases like AIDS. A human pathogen can make a person feel very ill and devastating, and sometimes even fatal and life threatening.

The main types of pathogens are:

1. Viruses



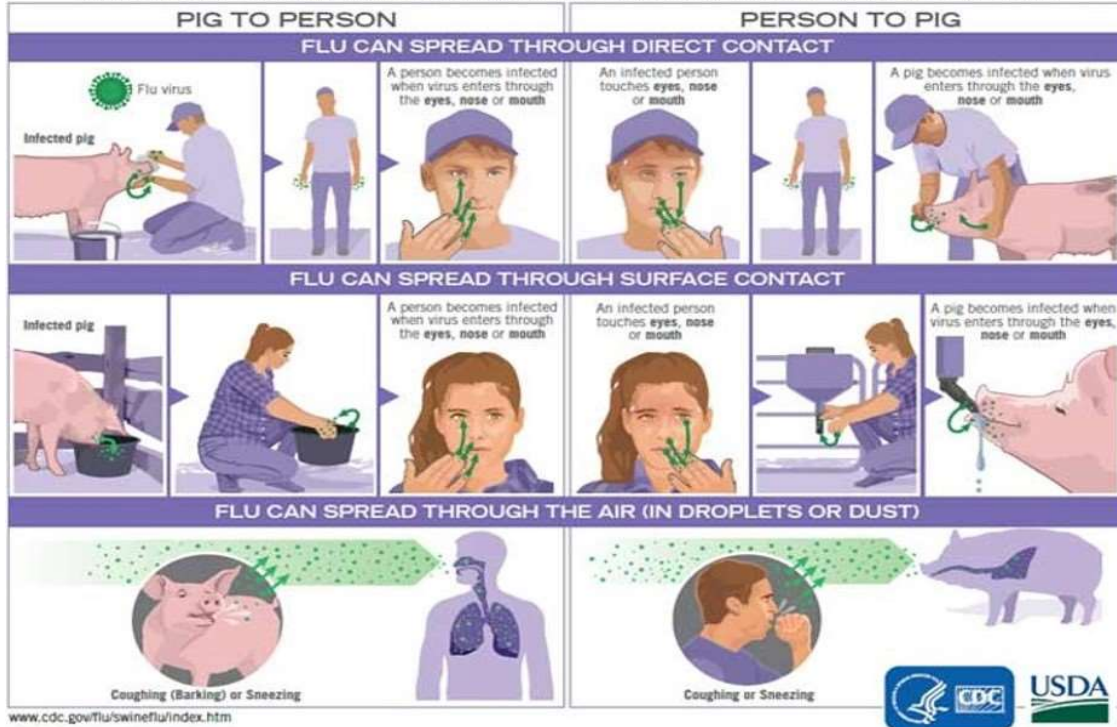
Viruses are microscopic parasites or refer to microorganisms which are much tinnier than bacteria in form. Being an entire independent virus particle cell on its own, consisting of DNA and RNA core of nucleic acid, it does not possess any metabolic capability function at all to be able to thrive and reproduce itself outside a host body. Simply put, they cannot survive outside a host organism and often regarded as non-living. They are host dependent which rely on other host organism cells to survive on and reproduce in the transmission from host cell to host cell in this manner. The virus particle can stays intact and thrive on the surface for a period of approximately 12 hours up to several days while waiting to infect another person of suitable organism that comes in contact with the surface. Once touches, that person will pick up the virus. Soon, his body will become a reservoir of virus particles to grow and multiply freely at a rapid speed. When coughing and sneezing, the droplets go into airborne transmission and either be inhaled by another person nearby or may land on any non-living surface.



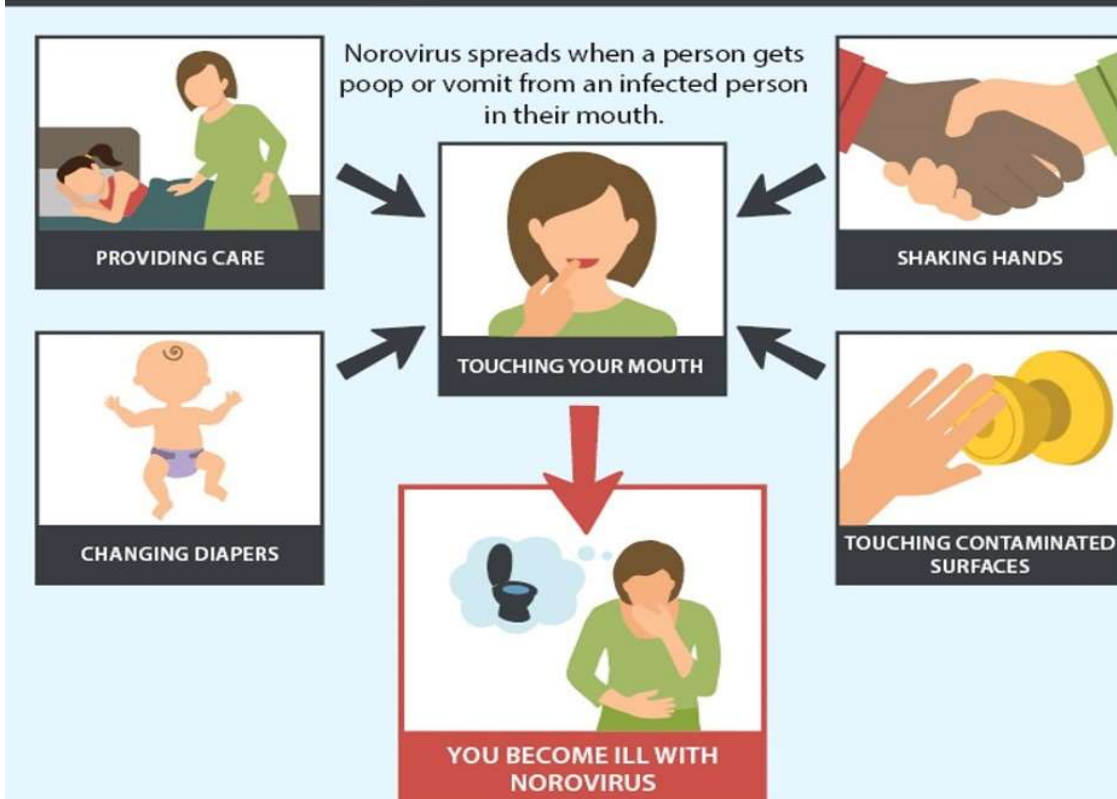
Coronavirus Closings

FLU CAN SPREAD BETWEEN PIGS AND PEOPLE

Information for people exposed to pigs, including people who enter the swine barns at agricultural fairs or people who raise pigs for show or farming

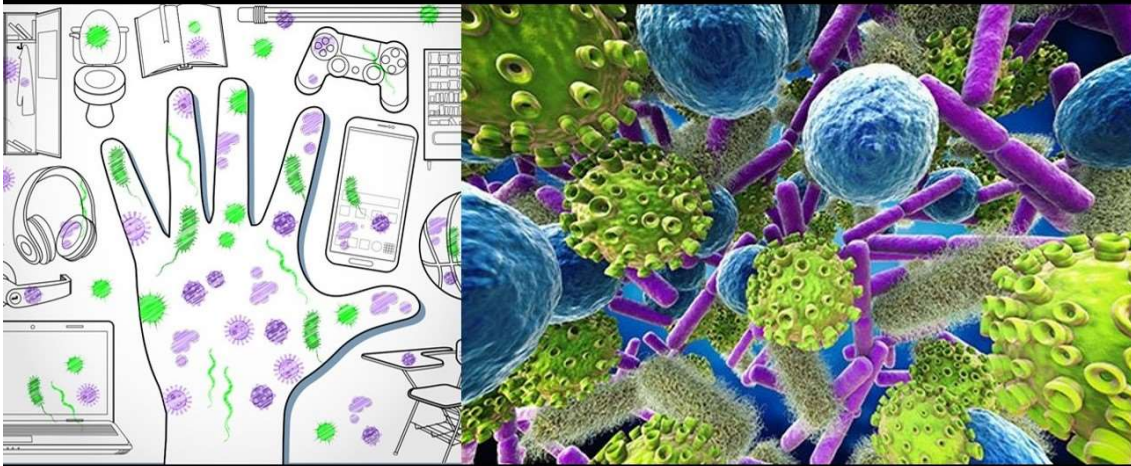


How You Get Norovirus From People or Surfaces



Coronavirus Closings

GERMS are all around you



Waiting to infect you!

Any unhygienic person can just pick up the germs. The germ virus penetrates its way into his body immune system to reach the host cell.

The virus then starts to “hack” the host cell relentlessly, and then makes copies of itself and in the process of it releasing even more viruses.

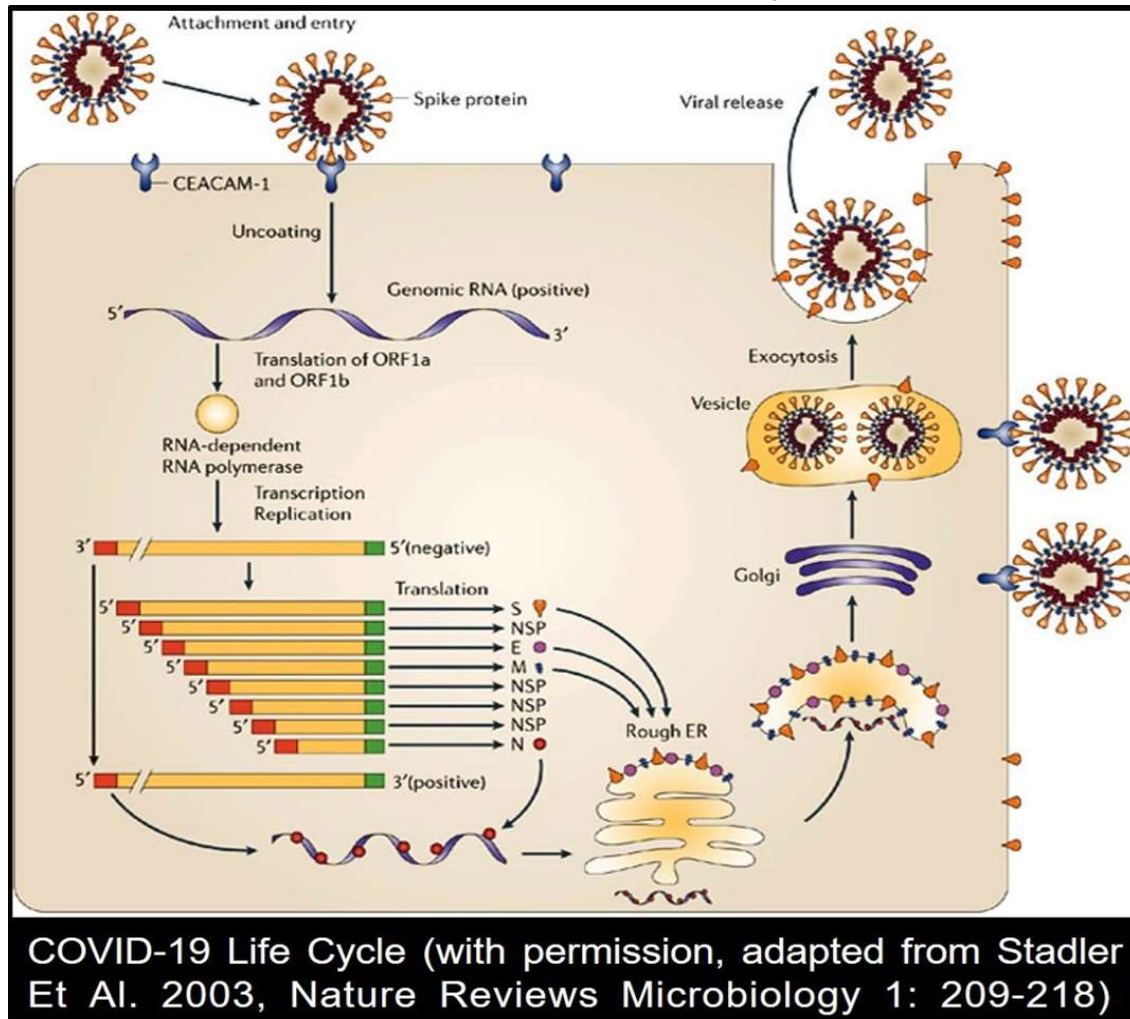
After the whole replication cycle is completed, the new viruses find its way out of the host cell, and then start to attack, destroy and damage all other good cells through the body, and infects others.

In doing so, the immune system eventually become weaker and weaker until it breakdown and therefore the infected person becomes seriously ill.

The elderly group has to be extra caution and pay more attention to their personal hygiene. Drink more water, stay indoors, helping them to monitor their temperature twice daily and visit a doctor if they are not feeling well.



Coronavirus Closings



Meanwhile, there are cases reported that there are people who may look well after recovering from the viral infection, but yet they can still fall sick again. This is because not all viruses are eradicated as some are still left behind and stay dormant inside their body for a certain period of time without causing any negative effects before they start to multiply itself again. That explains why some viruses are so deadly infectious.

Viruses can mutate and combine with another infected cell.

Impending COVID-19 Vaccine



This is why a vaccine is critical at this moment of time to completely kill the virus from staying dormant inside our body.

Everyone is waiting to flatten the curve of the coronavirus outbreak as the global economy had suffered a deep percussive impact since the beginning of the coronavirus pandemic.

Coronavirus Closings

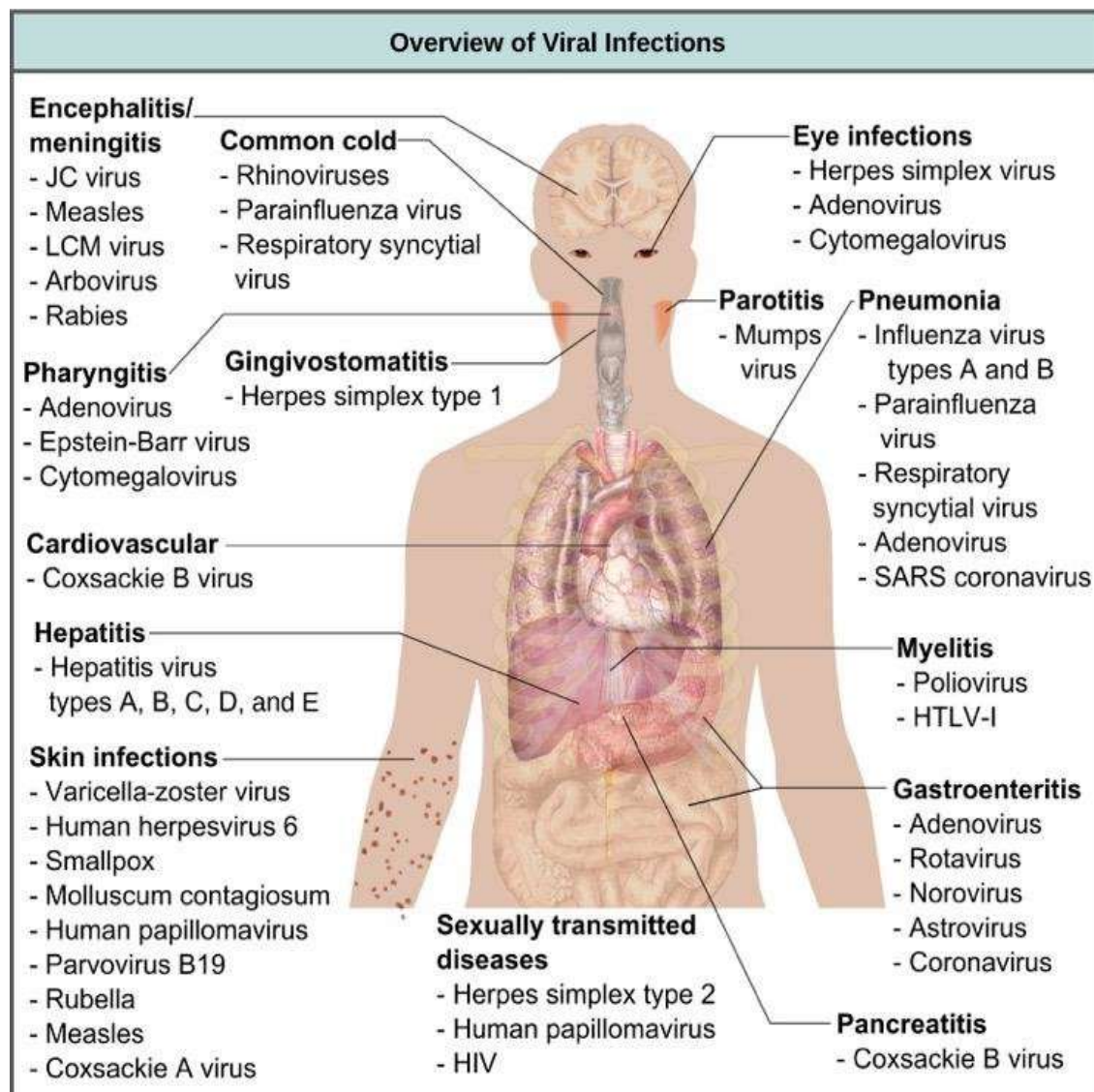
Viral Diseases

A viral disease, also refers as **viral infection**, occurs when microorganisms enter a human body and causes infections by continuing invading the immune system until its susceptible cells totally breakdown and makes the person falls sick eventually.

These viral diseases come from different and diversity in nature as they can be caused by a number of different types of viruses.

For instance, the common cold illness is one of the common viral disease that can occurs at the upper respiratory tract that consists of the nose and throat pathways.

Overview of Viral Infections



Coronavirus Closings

Antibiotics are only useful to eradicate bacteria but not viruses.

Therefore, they are not effective at all when using it as a treatment medication for viral infections.

Examples of viral diseases include:

- Common cold
- Flu
- Meningitis
- Warts, including genital warts
- Oral and Genital herpes
- Chickenpox/Shingles
- Measles
- Viral Gastroenteritis, including Norovirus and Rotavirus
- Hepatitis A, B, C, D, E
- Yellow Fever
- Dengue Fever
- HIV and AIDS

Symptoms of Viral Infections

Some symptoms include:

FEVER	MUSCLE ACHES	COUGHING	SNEEZING
RUNNY NOSE	HEADACHE	CHILLS	DIARRHEA

Antiviral medication is still the preferable treatment. But to certain illness*, it depends on the type of virus that is infecting on that person.

Antiviral medication for instance neuraminidase drugs are used to prevent and control the influenza virus from escaping within one cell from trying to infect a neighbouring cell. The medication is most effective if it is taken within a day or two once the onset symptom appears.

Condition	Cause	Use an Antibiotic?
Strep throat Whooping cough Urinary tract infection	 Bacteria  Bacteria  Bacteria	 Yes. Your provider will prescribe one for your infection.
Sinus infection Middle ear infection	 Bacteria or Virus   Bacteria or Virus 	 Maybe. Your provider can tell if an antibiotic will help.
Bronchitis/chest cold <i>(in an otherwise healthy person)</i>	 Bacteria or Virus 	 No. Bronchitis is rarely caused by bacteria.
Common cold Sore throat Flu Asthma	 Virus  Virus  Virus  Virus	 No. Viral infections don't respond to antibiotics. Ask your provider how to treat your symptoms.

Coronavirus Closings

Examples of antiviral medication are Oseltamivir (under the brand name of Tamiflu) and Zanamivir (Relenza).

Oseltamivir drugs (Tamiflu)

This type of drugs shorten the recovery time for people with flu symptoms like stuffy or runny nose, sore throat, cough, muscle or joint aches, tiredness, headache, fever, and chills.

It is commonly used as a medication treatment for influenza A and B.

Zanamivir (Relenza) is a neuraminidase inhibitor and is being used to treat and prevent infections from influenza A (H1N1).

Its function is to stop the growth and prevent the flu virus from spreading inside our body.

These drugs are effective treatment in curing and reducing the flu symptoms and help you to recover from it in one or two days earlier.

Tamiflu Oseltamivir Medication



Zanamivir Oral Inhalation Medication

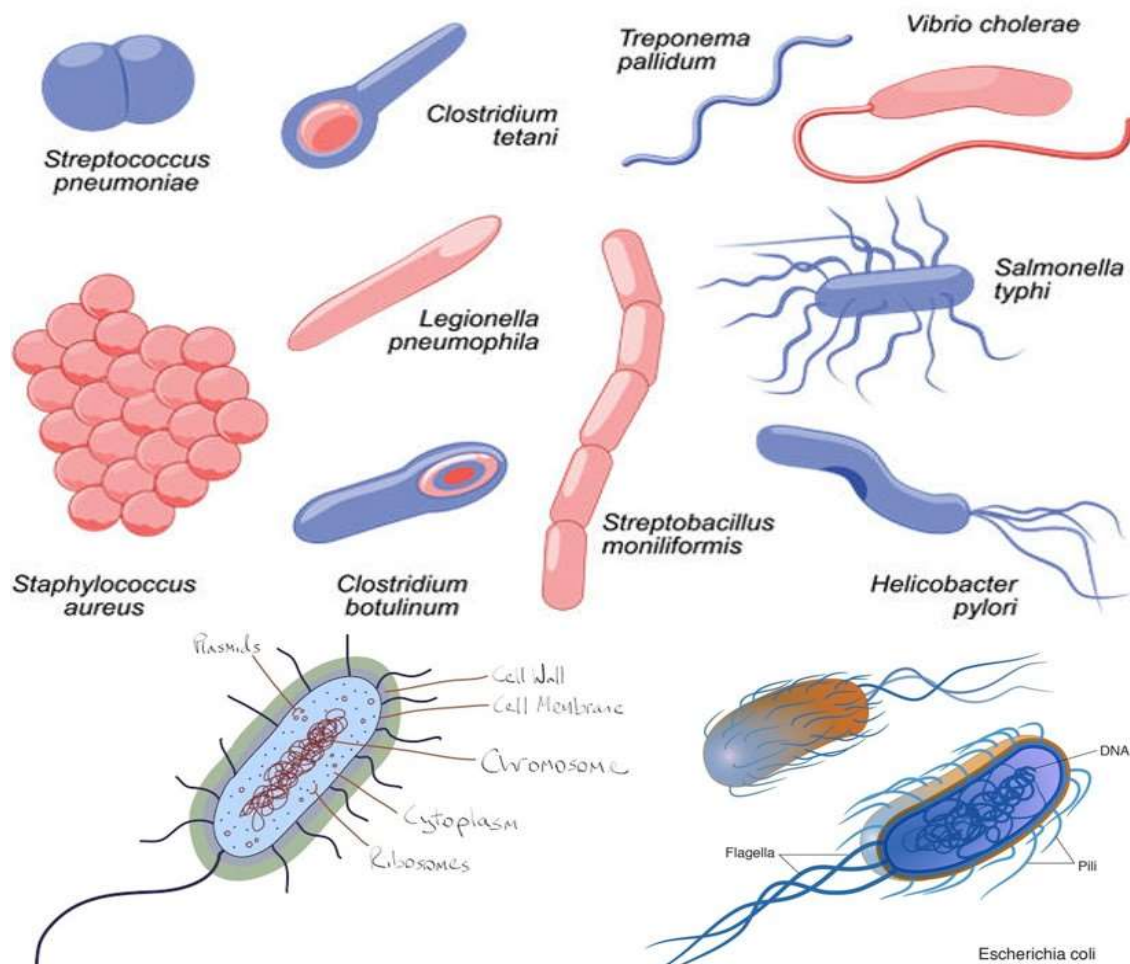


Coronavirus Closings

2. Bacterial Infections

Bacteria are made up of single-celled microbes and they come in many shapes and features form ranging from spheres to rods and spirals. The internal cell structure has no nucleus, but only the DNA core surrounding by two protective covering layers which is the outer cell wall and an inner cell membrane. Notably, for instance mycoplasmas bacterial does not have any cell wall enclosure, but there are some bacterium that may have an additional third outermost protective layer over it.

Besides residing in our human intestinal gut system, the single-celled organism can even stay alive in any adverse environment such as in the soil and sea ocean.



Typically, bacteria are considered to be the first life form ever exist on Earth surface, and practically they are around in every habitats' times. There are good and bad bacteria. Good bacteria for instance yogurt can help in our body digestion problems and bad bacteria can cause infections.

Coronavirus Closings

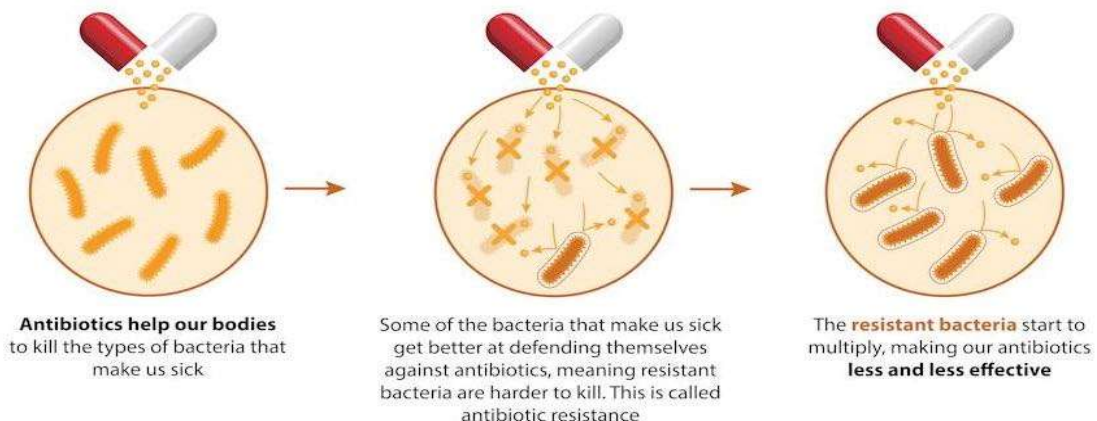
Human body is more prone to bacterial infections once our body immune system becomes weak. Antibiotics or antibacterial are medications used to treat bacterial infections by killing and reducing the bacteria growth from multiplying inside our body. They come in many forms such as:

- tablets
- pill capsules
- liquids
- creams
- ointments for wounds



Most of the antibiotics can only be prescribed and issued upon doctor advice. Notably, antibiotics cannot be overconsuming as prescribed by doctor as overconsumption leads to a built up of a reverse resistant effect to the bacterial treatment in our body, developing an immunity to fight the same type of bacterial symptoms and causing future treatment to the bacterial not workable anymore once antibiotic resistance had built up in our immune system. As such, doctor may have to find another type of antibiotic to treat it. That is why doctor does not always like to prescribe antibiotics treatment to your illness unless it is necessary and the illness does not show much improvement after taking the standard flu medication.

How antibiotic resistance develops

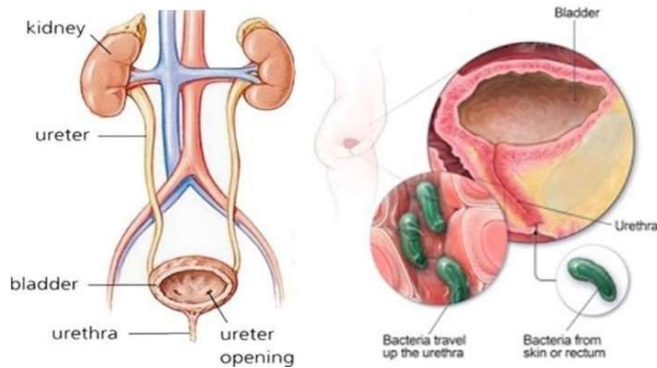


Coronavirus Closings

Examples of bacterial infections are:

- Bacterial Gastroenteritis, such as salmonella food poisoning or E.coli infection

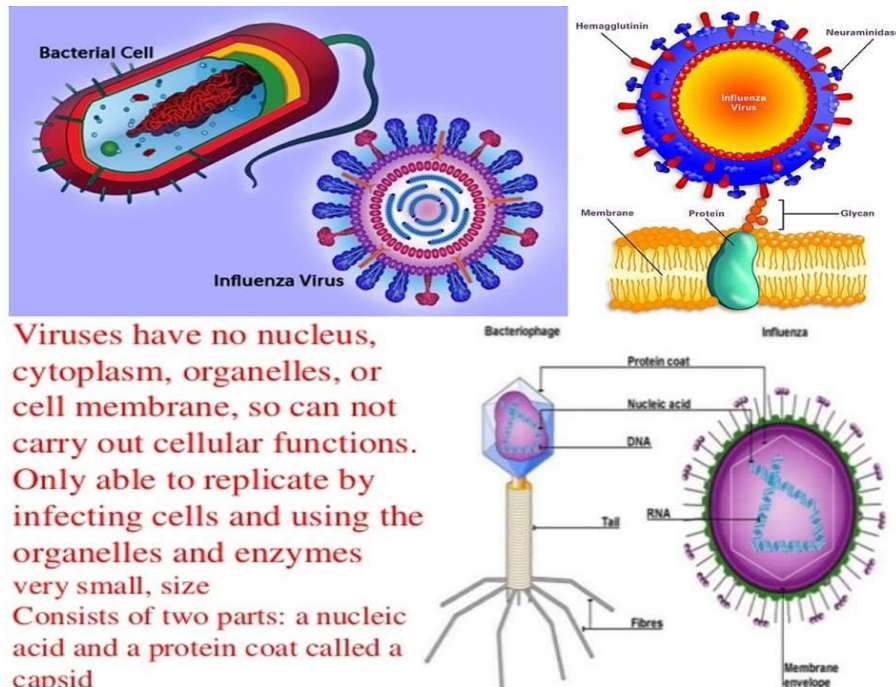
URINARY TRACT INFECTION



- Lyme disease (Insect bites)
- Urinary tract infection (UTI)
- Strep throat
- Bacterial Meningitis
- Gonorrhoea (HIV)
- Cellulitis
- TB, Tuberculosis

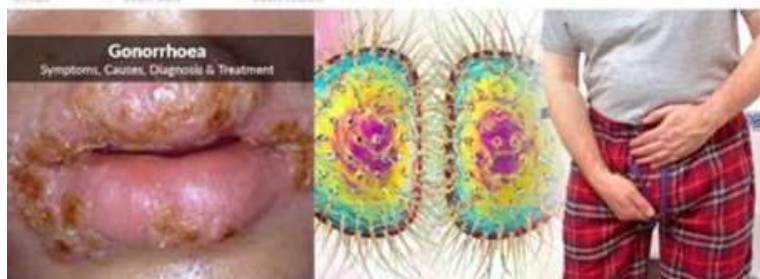
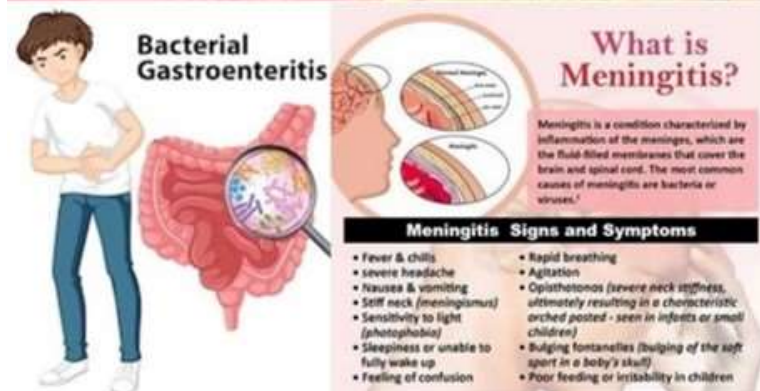
Bacteria versus Virus

Bacteria are larger than viruses, capable to reproduce and multiply on their own. Viruses are much smaller than bacteria and cannot reproduce on their own, but rather their reproduction is by infecting a host cell and making use of the host's DNA repair and replication systems to make copies of itself. After replication completed, they left the cell and infected the neighbouring host cell and the reproduction cycle repeated again.



Viruses have no nucleus, cytoplasm, organelles, or cell membrane, so can not carry out cellular functions. Only able to replicate by infecting cells and using the organelles and enzymes very small, size
Consists of two parts: a nucleic acid and a protein coat called a capsid
Nucleic acid may be DNA or RNA but not both.

Bacterial Infections



Coronavirus Closings

3. Fungal infections



They come from contaminated food and water. By improper cleaning habits after handling contaminated food, these germs like E. coli and Salmonella can sneak into our body's digestive system by this route. Fungi cells usually consist of a nucleus with a protective membrane and a thick cell wall, and thus making it harder to kill. They can colonise and live on and inside our body, multiplying out of control and cause an infection when they overgrow and appear visibly on many areas in our body. For instance athlete's foot, woman with a vaginal yeast infection etc. Basically, they can affect any living and non-living things and everywhere in our environment for instance indoors and outdoors besides infecting on human skin.

Some of the common fungal infection that we commonly see in cases like:

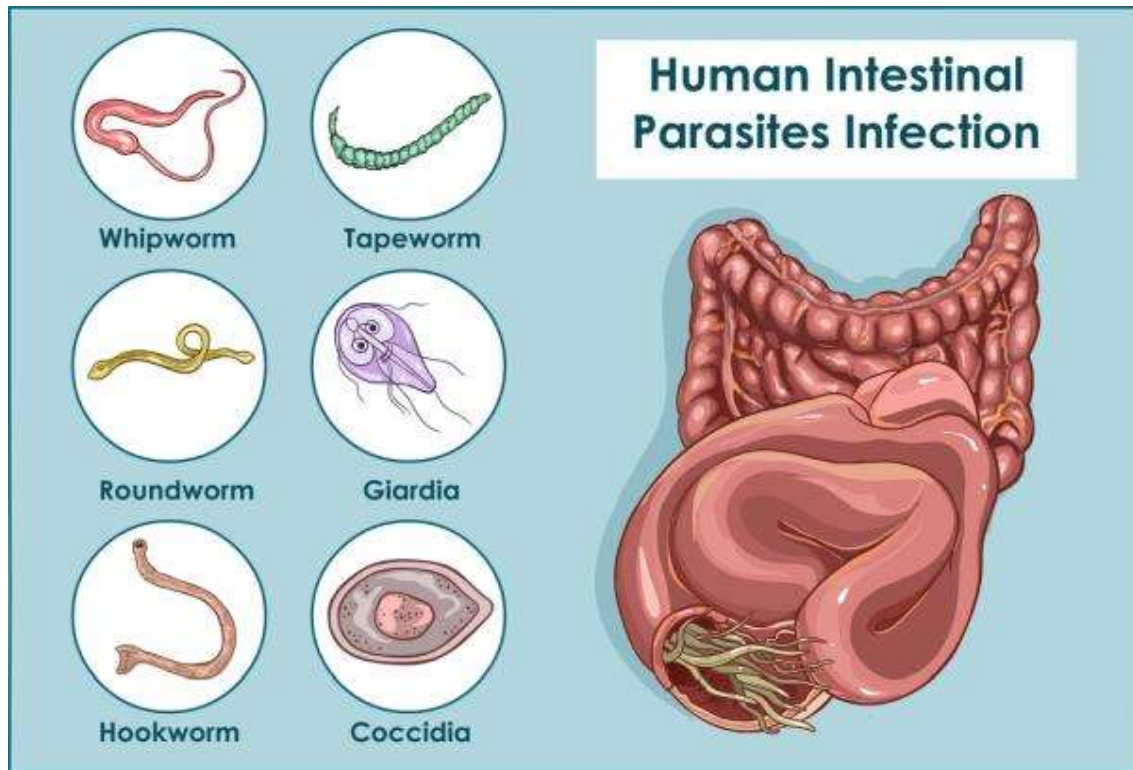
Athlete's foot that causes itchiness, scaly rashes on the feet or in between their toes, particularly in sweaty feet people who often wear closed-toed, occlusive shoes.

- Jock itch
- Ringworm
- Yeast infection
- Onychomycosis or refer to as a fungal infection of the nail

Sadly to say, there are some fungal infections that do not cause infections in humans but instead they can cause serious sickness in people who are diabetic, have weaker immunity, and had weaken body immune systems.

Coronavirus Closings

4. Parasitic Infections



Parasites are a plant or an animal micro-organism that can stay alive in or on another host cell.

It gets its nourishment feedings from or on that other micro-organism.

Parasitic infections can occur anywhere in tropical and subtropical regions.

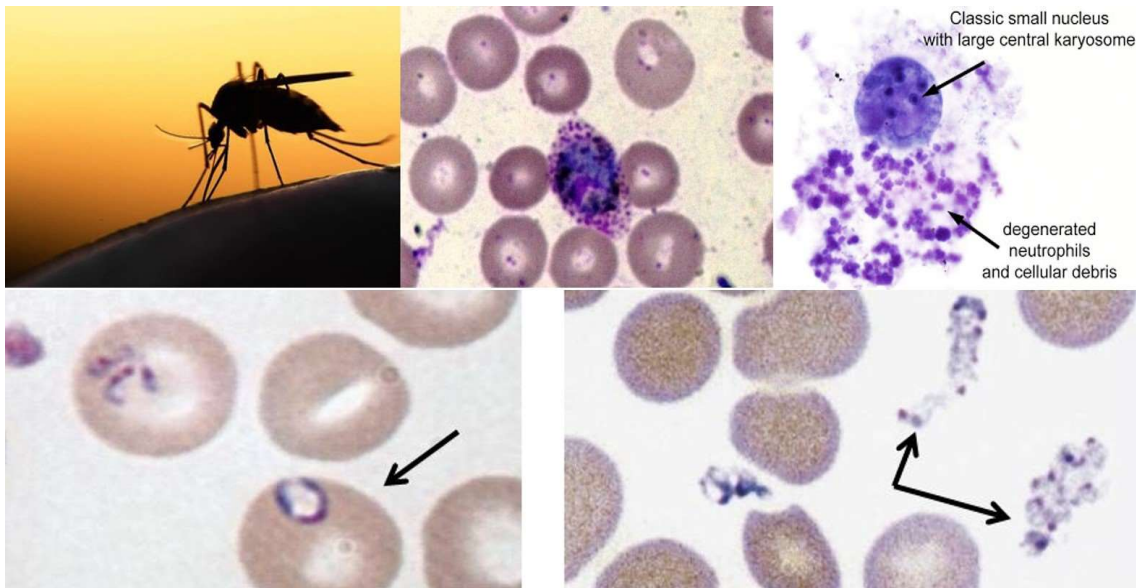
There are three main parasitic infections organism that can cause disease in humans, and they are:

- Protozoa, a single-celled plasmodium micro-organisms that can survive and multiply inside our body. An example is malaria parasites
- Helminths, a larger and multi-celled micro-organisms that can stay alive inside or outside our body. They are commonly known as worms
- Ecto-parasites, a multi-celled micro-organisms that are able to stay alive on by feeding off on our skin. For instance insects like ticks and mosquitos

Coronavirus Closings

These diseases can easily be spread by the following ways:

- 1) Contaminated soil where in contact with faeces from infected humans or animals.
- 2) Contaminated drinking water.
- 3) Contaminated food.
- 4) Contaminated blood through transfusion from an infected person.
- 5) Swimming in filthy lakes, rivers and ponds where in contact with Giardia microscopic parasites.
- 6) Sexual contact with an infected partner.
- 7) Outdoor cats that happen to come into contact with an infected dead rodents and birds. The infection is spread through the cat faeces.
- 8) Insect bites at another infected person and in turn get infected by it.

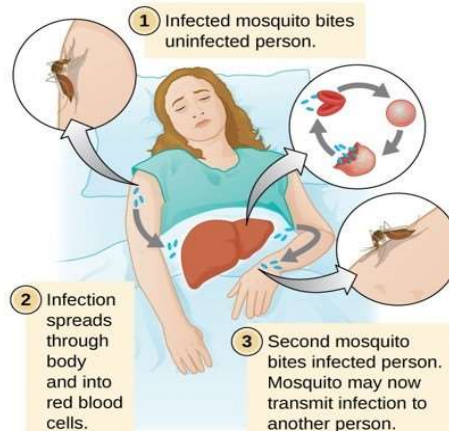


Examples of diseases that can be caused by parasites are:

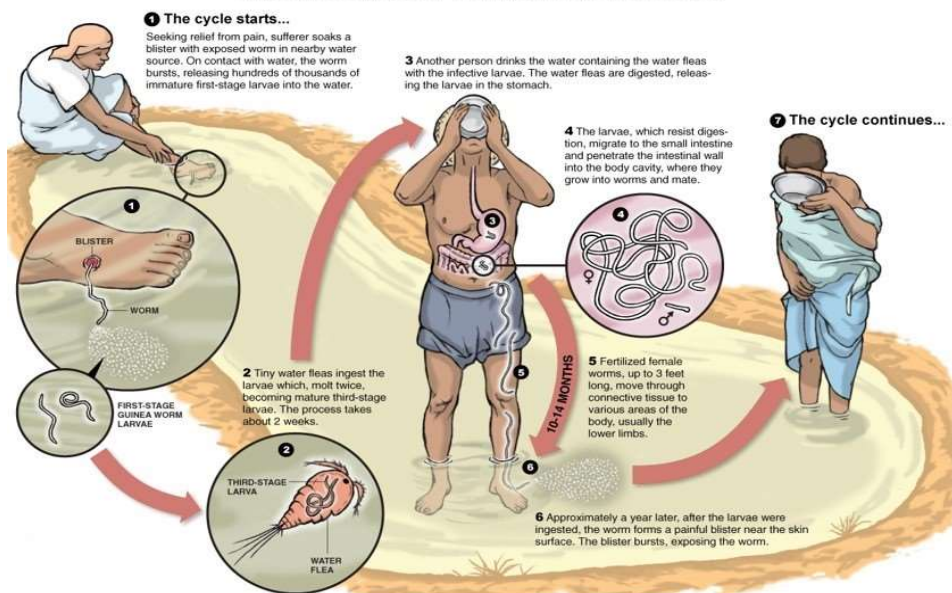
- Giardiasis
- Trichomoniasis
- Malaria
- Toxoplasmosis
- Intestinal worms
- Pubic lice

As for pregnant women, it is important to maintain good personal hygiene to prevent getting infected from outgoing cats in your house. Therefore, it is better to get someone's help to clean up your cat's litter box daily on your behalf as you probably do not like to come into contact with its poops if it gets infected outside in this manner.

Coronavirus Closings



The Life Cycle of Guinea Worm Disease



SYMPTOM



Coronavirus Closings

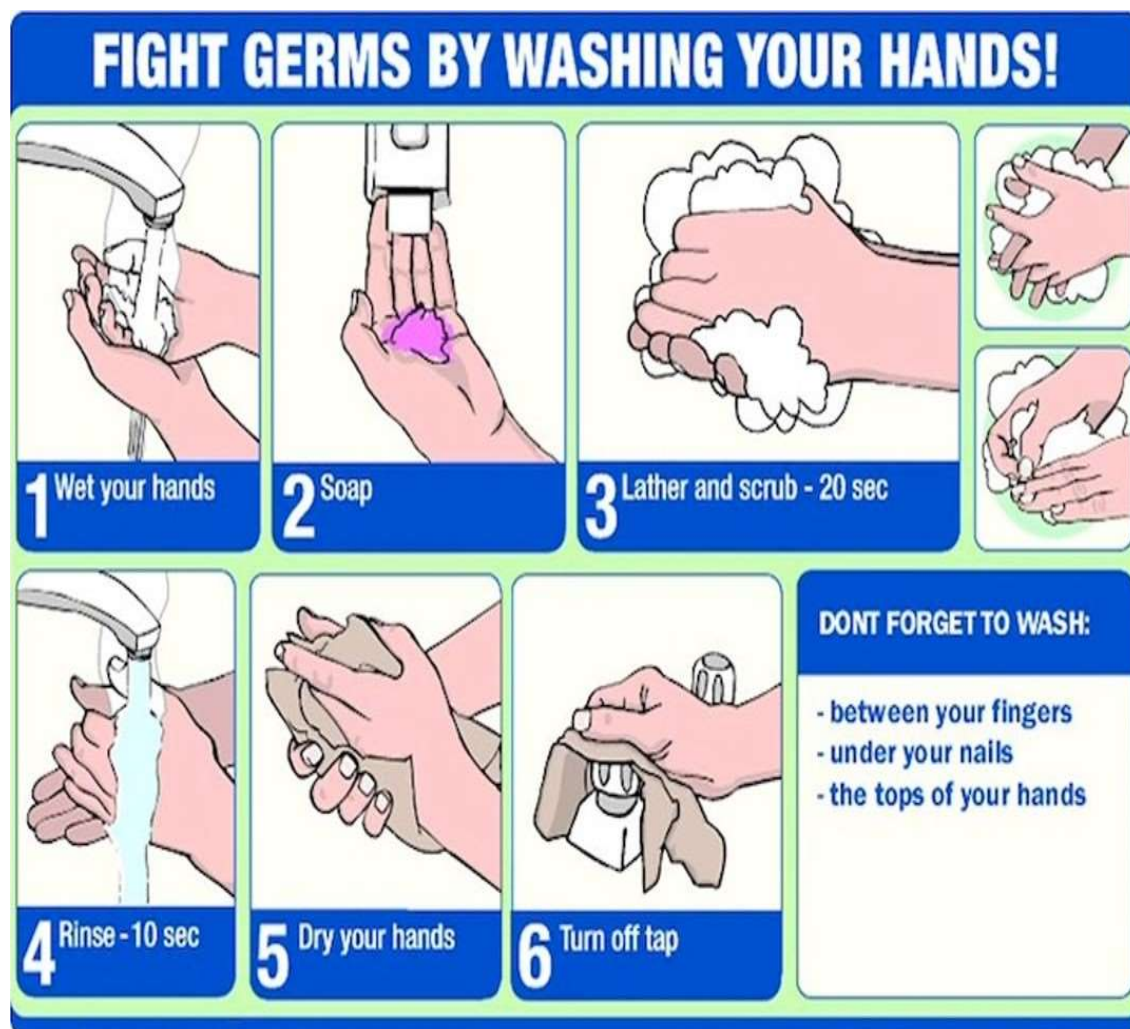
Human Pathogen by Indirect Transmission

Germs can be spread by indirect contact if an infected person touches on a contaminated surface or object for instance on a door handles, handrail, table top, or even a lift buttons, leaving behind some of the microorganisms on its surface.

People can pick up microorganisms just by touching over the contaminated area, and then went on to touch the other moist openings area near their eyes, ear, nose or mouth.

This will allow the germs to sneak in and find its way to the immune system and carry out its attack on the host cells.

While there is no 100 percent preventive measures on pathogen transmission in our daily life, the best precaution to minimise such risk of contracting a pathogenic disease is to maintain a good personal hygiene.



Coronavirus Closings

Always remember wash hands thoroughly with soap and water frequently after any activities are carried out like:

- 1) Going to public restroom.
- 2) Handling of raw foods.
- 3) Cleaning up pet.
- 4) Picking up pet's faeces.
- 5) Covering up your nose and mouth when coughing and sneezing with a tissue to prevent airborne germs transmission. The used tissue will then be thrown into a proper waste bin and not just left it behind on a table.

No doubt that today's science and medical advancement provide humans with some form of safeguard measures against infections by pathogen through vaccination, antibiotics and fungicide, but yet today we had just witness that the new coronavirus was able to mutate into many versions form that could be far deadly and infectious. It is indeed devastating and very sad for human resources not being able to protect ourselves against it as it is truly not an easy task to create an effective vaccines in line with the coronavirus that comes in many versions of pathogens.

The coronavirus pandemic cannot be taken lightly for granted as we are now witnessing its widest threats that can bring these devastating impacts both to our livelihood and life itself. Moreover the possibility and severity of its longer term impacts on the world economic scale and even psychosocial needs of the people during lockdown period have completely brought a halt to the continuation of the travel industry, small and micro businesses survival.

The government will need to do even more to bring additional financial aid packages and stringent measures at this crucial moment so that together every one of us can pull through this health crisis.

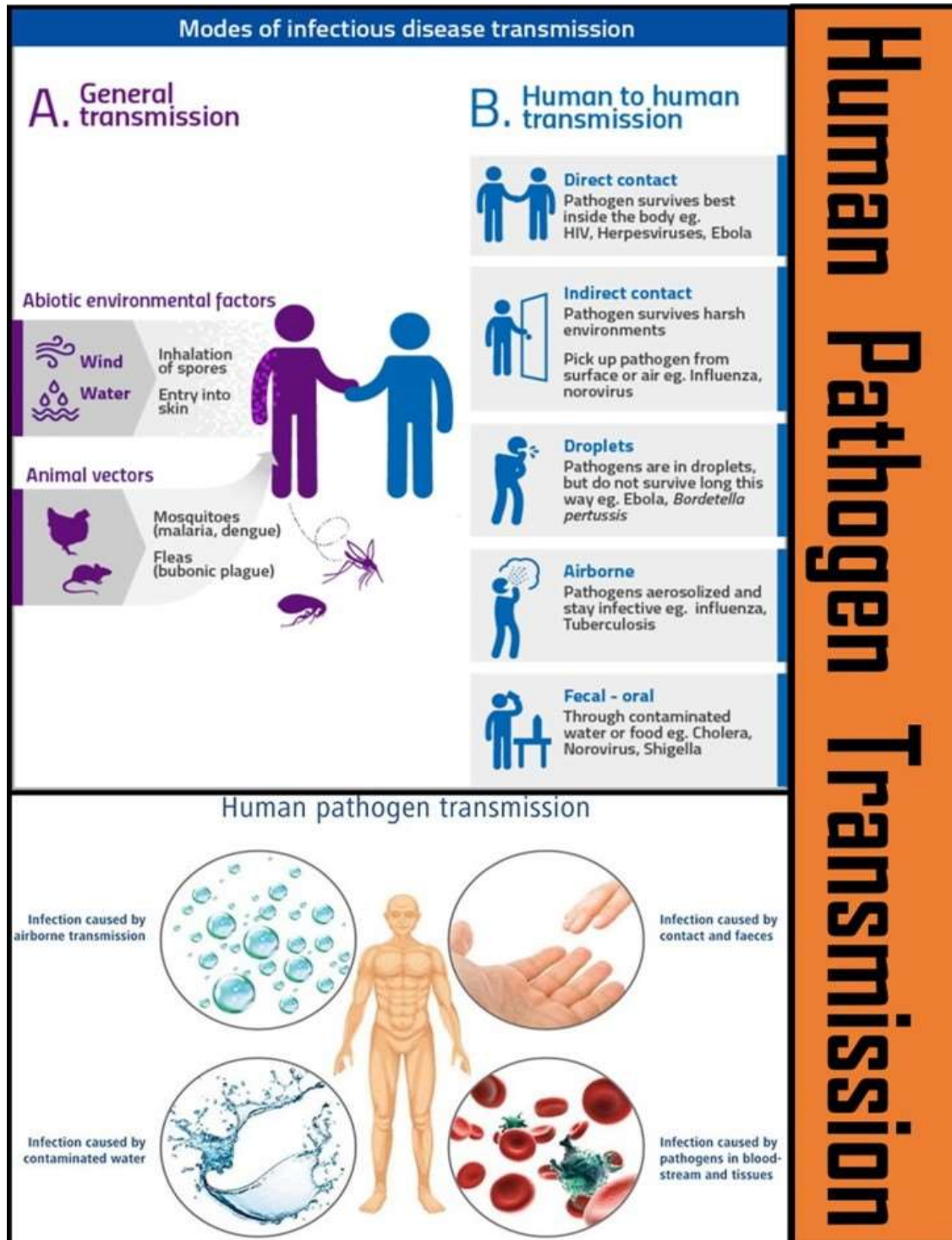
Bear in mind that the world will need to reserve funds to support the group of medical researchers to explore this pathogens field to help and prevent future pandemics of other new kinds of coronavirus after going through the learning curve of this expensive experience.

Deadly diseases that can get infected from animals to humans and even from humans to animals and vice versa.

In general, all pathogens are dependent on a single host cell. Once it sets and stay in the host's body, it will manage to avoid the body's immune

Coronavirus Closings

responses. Thereafter, it controls and make use of the body's resources to help its replication process before exiting and then spreading it to another new host where the cycle repeats itself again until the person immune system eventually breakdowns and succumbs to serious illness or death.



Coronavirus Closings

Coronavirus Outbreak

A newly unknown virus had just lashed into the world today, creating a lot of confusion, panic and chaos among people of different nations that had never seen it before. Every day is a challenging day ahead that saw from the statistical data showing an exponential increase in patients reaching 50,586 confirmed cases, 12,458 patients in critical illness condition, 5,986 mysterious deaths and additional 30,860 suspected cases as yet to be confirmed, identified and placed on the tracing dashboard for movement tracking. The numbers just keep on increasing and accumulating day by day, showing no sign of any downward turning point against this infectious virus. It definitely shows no mercy to any nationality, ethnic groups, religions, status or whom the person is regardless of age being a child, young or old, and even new born babies.

Once infected, according to the medical doctors, the viruses sneak into our immune system, and start attacking our lungs aggressively and the infected person will then have difficulty grasping air for breathing.

It had been reported that people were just passing out mysteriously while walking in the middle of the streets, taking drinks at local cafe, inside transport cabins, at markets and supermarket stores etc. that occurred in many countries.

Many sudden death, confirmed and suspected cases kept lashing out each passing day. The organisation WHO officially declares this coronavirus outbreak, named as COVID-19, to the worldwide public health emergency a global **“Pandemic”** alert warnings on 30 Jan 2020. Followed by, the USA officials also make its public health emergency preparedness announcement on 31 Jan 2020.



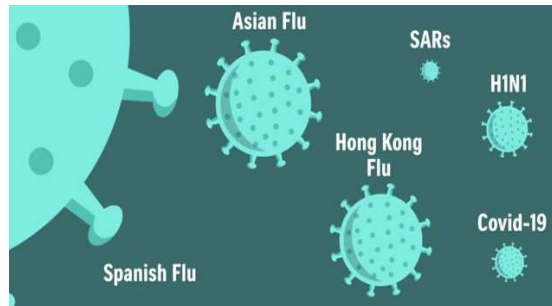
Coronavirus Closings

Pandemic Alert



Pandemic outbreak derived from the epidemic situation where there was an **exponentially steep rising of infection cases** and were seen to be rapidly spreading from **one continent to another** across the globe, affecting a large number of people being infected from person-to-person at the same time, and also causing more deaths than the epidemic outbreak. Examples of devastating pandemics outbreak situation are:

1. Spanish flu (H1N1 virus) of 1918 outbreak during the flu season which killed 50 million people worldwide
2. Influenza A (H3N2) virus outbreak in 1968 which killed a million people worldwide
3. Swine flu virus outbreak in 2009 which saw hundreds of thousands of people death
4. AIDS and TB diseases
5. The novel coronavirus outbreak had already infected more than 1.6 million people worldwide and continued to sweep through without stopping until a vaccine is found to prevent it from destroying more human lives.



People with pre-existing, underlying health condition such as diabetes, chronic heart diseases and hypertension are more vulnerable and likely to get infected easily from this infectious virus. They are advised to stay indoors and restrict their outside movement during this health crisis situation.

Coronavirus Closings

Epidemic Outbreak Crisis

Epidemic outbreak occurred when there was a widespread diseases that were spinning out of control, but at a stable containment by infected people among one or more communities within a geographic location.

For instance epidemics outbreak situation could arise from:

1) Natural disaster

- Tropical Storms
- Floods
- Earthquakes
- Droughts

2) Disease outbreak such as

- Ebola virus disease (Ebola haemorrhagic fever) in West Africa that saw 11,300 death in a span of between year 2013 and 2016.
The strains of the virus could cause severe illness in humans and animals and death.
- SARS-CoV outbreak in 2003 that saw 800 people died from it in Africa.
- MERS-CoV outbreak in 2012 from Middle East, originated in Saudi Arabia



Coronavirus Closings

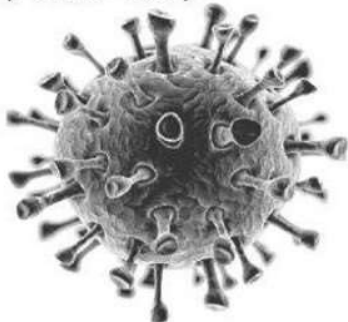
The coronavirus family covered under a wide scope of viruses which simply caused a cold-like symptom from a common cold illness to a more severe diseases like MERS-Cov, **M**iddle **E**ast **R**espiratory **S**yndrome, and SARS-Cov, **S**evere **A**cute **R**espiratory **S**yndrome, and now inclusive of the new COVID-19, **C**Orono**V**irus **D**isease 2019, virus strains. The disease could be transmitted between animals and humans, and vice versa. The main difference in COVID-19 infections was those being infected and carrying the disease would not show any symptom at all, and therefore making the monitoring process harder to control and traceability.

Coronavirus

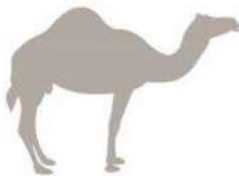
Large family of viruses that cause illness from the common cold to more severe diseases like MERS-CoV and SARS

Recent epidemics

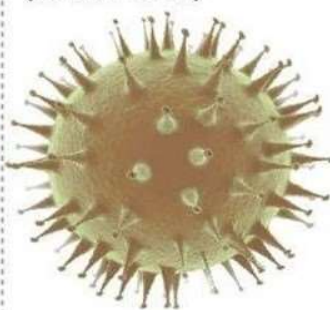
Middle East
Respiratory Syndrome
(MERS-CoV)



- First identified in Saudi Arabia in 2012
- Over 800 killed in Middle East since
- From dromedary camels to humans



Severe Acute
Respiratory Syndrome
(SARS-CoV)



- Identified in 2003, first infected humans in China in 2002
- Killed nearly 650 people in China/ Hong Kong 2002-2003
- Thought to be from bats, spread to civet cats to humans



New strain

New China strain
SARS-like virus

2019 novel
coronavirus
(2019-nCoV)

- First identified in late December 2019 in Wuhan, China
- Hundreds of cases detected in China, a number of deaths. Cases detected in Japan, Thailand, South Korea
- Seafood/animal market in Wuhan is centre of outbreak. Human-to-human transmission confirmed by Chinese authorities

Coronavirus Closings

Endemic Outbreak Crisis

An endemic outbreak happened when there was an infection within a **certain area, or population in a specific geographic region**, and it would **always be there and could be eradicated**.

Examples of endemics outbreak could arise from:

1) Cholera

It was a bacterial disease that could give rise to severe diarrhoea and dehydration in human body. It could be spread by contaminated water and people who were infected would typically show its symptoms around 2-3 days later.

2) Malaria disease was spread by Aedes mosquitoes

3) Chickenpox commonly spread in young children



Coronavirus Closings Outbreak Crisis

An outbreak crisis could arise when there was a new, contagious and infectious germ disease that was beginning to infect the whole population and preventive measures are placed in steps to control and prevent its infections from further spreading within a community or across the world. Such a crisis could last for weeks or even number of years. Virus outbreak transmissions could infect person-to-person, and animal-to-person contacts, or arise from the environment situation.



Coronavirus Closings

Diseases

Diseases were classified as Infectious and Non-infectious types.

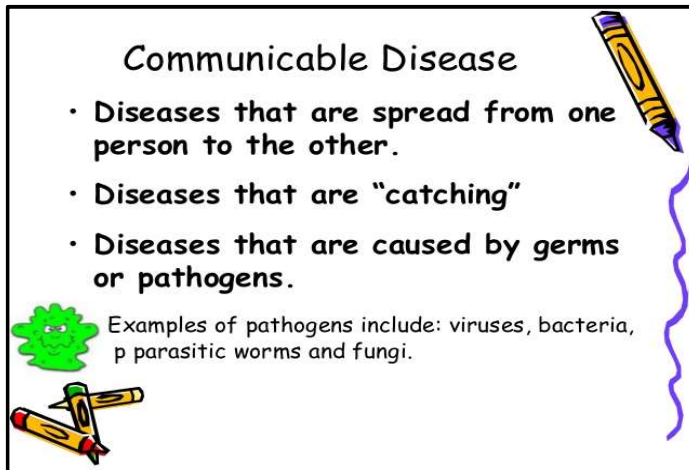
1) Infectious diseases

Viruses that were communicable and be easily caught from coming near to the infected person by airborne germs transmission, direct and indirect contacts.

Communicable Disease

- Diseases that are spread from one person to the other.
- Diseases that are "catching"
- Diseases that are caused by germs or pathogens.

Examples of pathogens include: viruses, bacteria, p parasitic worms and fungi.

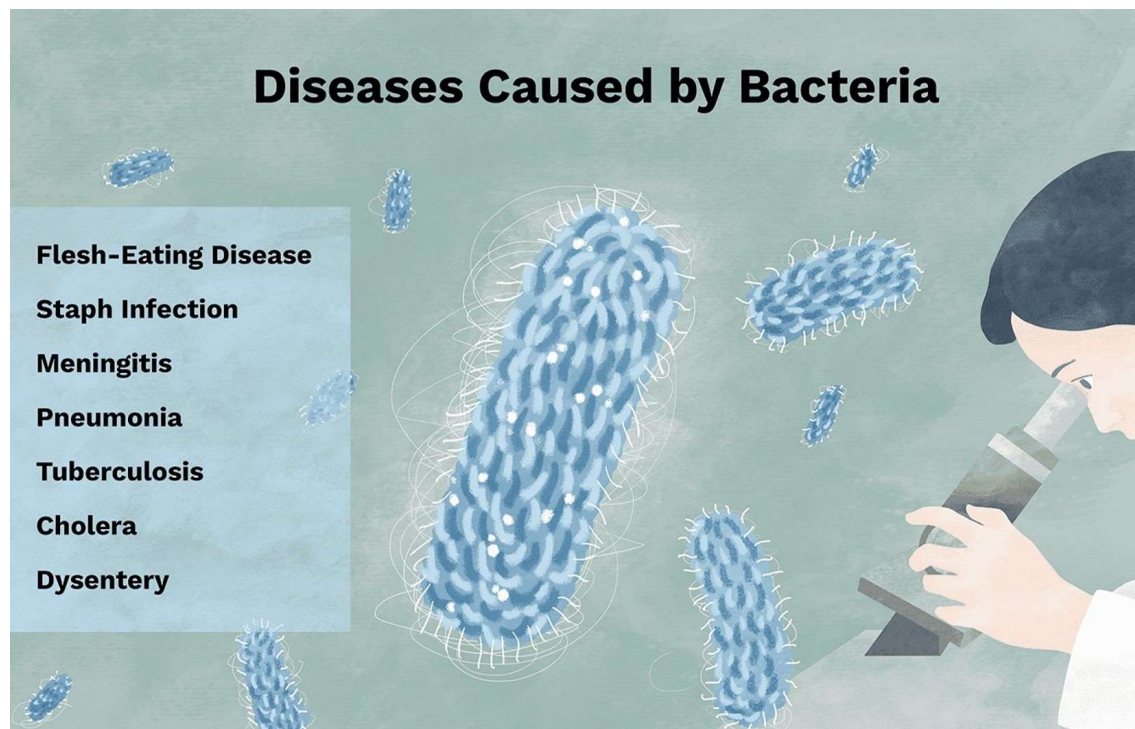


Examples of infectious diseases were:

- Colds
- Influenza
- Measles
- Mumps
- Tuberculosis
- Pneumonia
- Smallpox

2) Non-infectious diseases were:

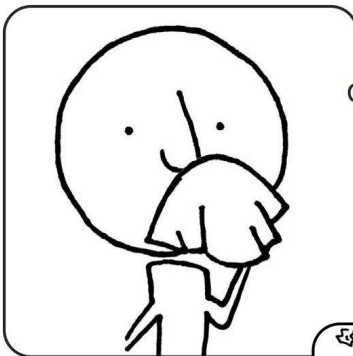
- Asthma
- Cancer
- Arthritis



Coronavirus Closings

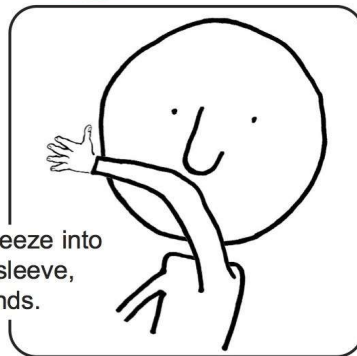
Stop the spread of germs that make you and others sick!

Cover your Cough



Cover your mouth
and nose with a
tissue when you
cough or sneeze

or
cough or sneeze into
your upper sleeve,
not your hands.

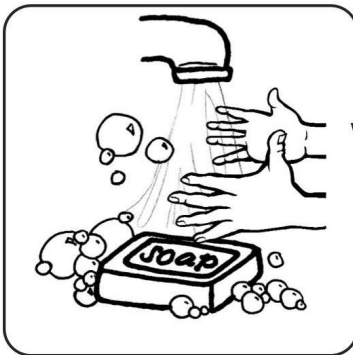


Put your used tissue in
the waste basket.



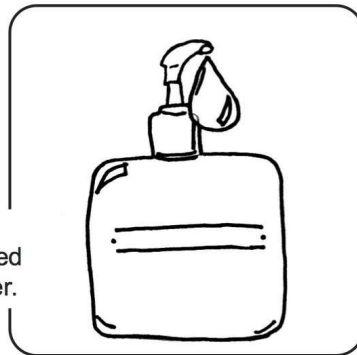
Clean your Hands

after coughing or sneezing.



Wash hands
with soap and
warm water

or
clean with
alcohol-based
hand cleaner.



Minnesota Department of Health
625 N Robert Street, PO Box 64975
St. Paul, MN 55164-0975
651-201-5414 TDD/TTY 651-201-5797
www.health.state.mn.us



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Antibiotic
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ASSOCIATION FOR PROFESSIONALS IN
INFECTION CONTROL AND EPIDEMIOLOGY, INC.

ICR145-1428

Coronavirus Closings

Germ and UVC Rays

Pandemics' behaviour **does not follow the seasonal patterns** evolving the rise to viral outbreaks. For examples Spanish flu peaked at summer month's period and seasonal influenza peaked at winter time. Sunlight comprises of three kinds of UV rays, namely:

1. UVA
2. UVB
3. UVC

Both the rays of UVA and UVB are quite damaging and harmful to human's skin, but luckily not the UVC, a light spectrum consisting of a shorter and energetic wavelength that can be implored to destroy genetically viral microbes. Artificial UVC equipment can offer a staple sterilisation method of killing these living microorganisms thriving on surfaces. Artificial UVC mobile robots are rolled out to areas like healthcare, aviation, offices and factories, and transport sectors to help decontaminate the environment. Notably, some parasites can be resistant to chemical disinfectants like chlorine and this UVC method will serve as a failsafe alternative over it instead.

1. UVC-Emitting Mobile Robots deployed in hospital environments



Robots are using UVC blue light beams, glowing like light sabres, to zap hospital viruses in patient rooms, operating theatres, cleaning floors etc.

2. Bus disinfection by using UVC lights in public transportation

Alert! Stern warning to everybody and be aware the dangers of the Ultraviolet-C light; NEVER used it to shine on other part of human skin or to sterilise hands as these can cause skin irritations and also one of the major causes in skin cancer. Stay at least 5 metres apart from the harmful light.

Coronavirus Closings

UV chambers are being set up in a huge cleaning room and remotely controlling the cleaning process through 210 UV tubes, passing UV light on the bus interiors and exteriors as a way of disinfection process.



3. Banknotes disinfection employed by banks

Central bank is relying UVC technology to disinfect contaminated paper monies.



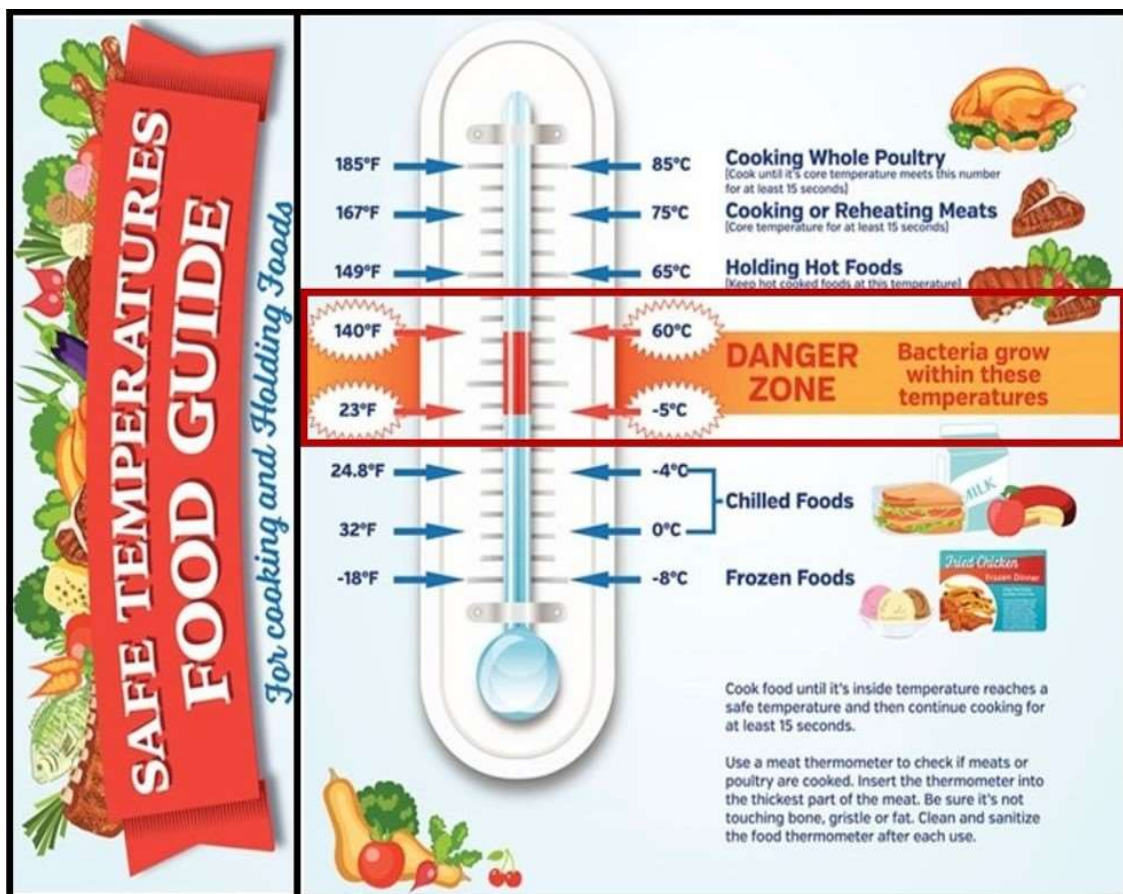
Coronavirus Closings

Germs and Temperatures

Bacteria Survival Information

Germs can be spread from person to person and also by touching contaminated equipment or surfaces.

1. Bacteria do not multiply but **stay dormant** at below the temperature of 32°F (0°C).
2. Bacteria multiply slowly under the temperature ranging between 32° and 40°F (0°C-6°C).
3. **Danger Zone!** Bacteria multiply rapidly when the temperature hits between 40° and 140°F (4°C – 60°C).
4. Bacteria will **stop multiply itself** but may start to die off when the temperature falls between the range of 140° and 165°F (60°C-74°C).
5. Bacteria will be killed when temperature hits above 212°F (100°C).



Coronavirus Closings

Hot temperatures at above 140°F (60°C) can kill germs instantly. Freezing temperatures do not kill germs, rather it only makes them stay dormant until they are thawed, and are then gradually inured to higher cooking temperatures.

Laundry

Germs can spread via clothes. Washing clothes at 30°C temperature is not enough to kill germs and it is likely to spread germs instead. Clothes should be washed in lukewarm water and dried at temperatures at around 140°F (>60°C) which will kill many microorganisms.



Contaminated Surfaces

Inside our house, the most likely areas that can be easily infected by germs come from the kitchen and the toilet. Use both soap and hot water to stop the spread of germs or disinfectant liquid to kill them. Always ensure that after cleaning, the surfaces of countertops and chopping boards must keep dry as dampness can make the germs thrive and, worse still, if there is enough water, they can continue to multiply even more. Pouring some disinfectant liquid and mix with flooring cleaning agent to kill germs.



Coronavirus Closings

Food Safety Advice

Except preparing food within a short period of time, or else putting food outside at temperatures between 40° and 140°F are posing a danger of bacteria invasion to incur. In fact, causing food contamination when food is left untouched for more than 2 hours and is considered unsafe to eat.



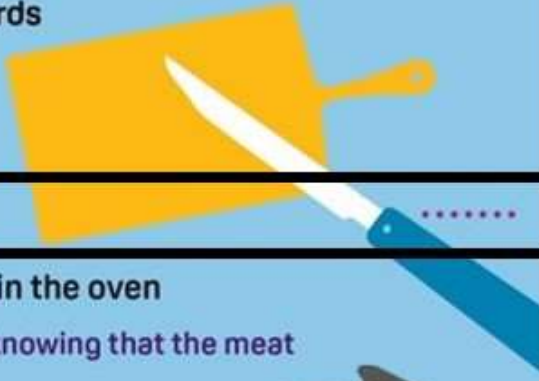
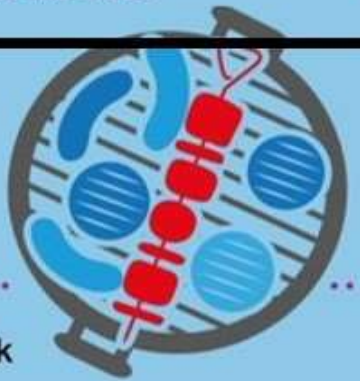
Food Hygiene Rules

1. Do not eat expired food. Always consume food by the “used-by” date found on the food label sticker.
2. Cook food thoroughly. Especially meat, it must be well cooked until the meat is no longer pinkish in colour.
3. Store raw meat, poultry and seafood at the freezer compartment area.
4. Avoid neither putting raw meat, poultry and fish together with other vegetables nor washing them together as these can easily give rise to the danger of cross-contamination, spreading bacteria from raw meats to other foods, cooking surface and utensils as well.

4 Steps Approach to Food Safety

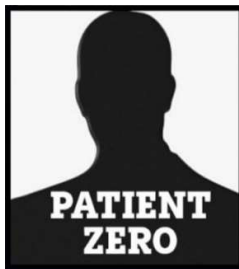
CLEAN 	Wash hands for 20 seconds with soap and water before, during and after preparing food and before eating.	Wash utensils, cutting boards and countertops after each use with hot, soapy water.	Rinse fresh fruits and vegetables under running water — but not meat, poultry or eggs.	
SEPARATE 	Use separate cutting boards and plates for produce and for meat, poultry, seafood and eggs.	When grocery shopping, keep raw meat, poultry, seafood and their juices away from other foods.	Keep raw meat, poultry, seafood and eggs separate from all other foods in the fridge.	
COOK 	Use a food thermometer.	Keep food hot after cooking (at 140°F or above).	Microwave food thoroughly (to 165°F).	
CHILL 	Refrigerate perishable foods within two hours.	Never thaw or marinate foods on the counter.	Know when to throw food out.	

Coronavirus Closings

1	Make sure frozen meat is fully thawed before cooking Defrost in the fridge or microwave on the defrost setting, not at room temperature	
2	Keep cold, perishable foods below 5°C In the fridge, or in a cool box when out and about	 
3	Use different chopping boards and utensils for raw meat Store raw meat separately from ready-to-eat food	
4	Pre-cook chicken and pork in the oven Finish them on the barbecue knowing that the meat is safely cooked through	
5	Don't overload the barbecue And remember that disposable barbecues take longer to heat up and to cook food	
6	Cook burgers, sausages, kebabs, pork and chicken until: ☒ They're steaming hot ☒ There is no pink meat ☒ Any juices run clear	
7	Don't serve rare burgers Harmful bacteria may be present in the middle of a pink burger	
8	Don't leave food out for longer than two hours One hour if it's very hot outside	

Coronavirus Closings

The Emergence of the Coronavirus



Novel Coronavirus (2019-nCoV) got its first infection from patient zero, emerging from Wuhan, China in December 2019. He was the first registered patient that had contracted the virus from the animal market based on the report released by the organisation WHO (World Health Organisation).

To date, the exact origin of the novel coronavirus still remains a mystery as virologists, genome and infectious disease experts can only establish the findings based on the genome analytical patterns extracted from the infected patients, revealing the cause of the causative agent could come from a new deadly and contagious virus strains originated from wild animals in bats, pangolins, snakes etc.

Even then, there are some still casted doubts and made speculation that the whole propaganda is a man-made biological warfare, citing one who used biological agents to carry out its mission of destruction across the world to gain control of the economic power supremacy.

In the meantime, mostly trade-related sectors are staying weak as weighed down by a decline in external demand and supply chain disruptions. The only exception are in pharmaceutical manufacturing companies as pandemic crisis creates a boosted demand for ventilators, masks and test kits requirements across the globe.

Coronavirus Closings

China Exotic Wildlife Market



Wildlife markets are hotbeds of disease



**Bat
Soup**



**Pangolin
Soup**

Coronavirus Closings

Wildlife Trade in Wuhan Seafood Wet Market

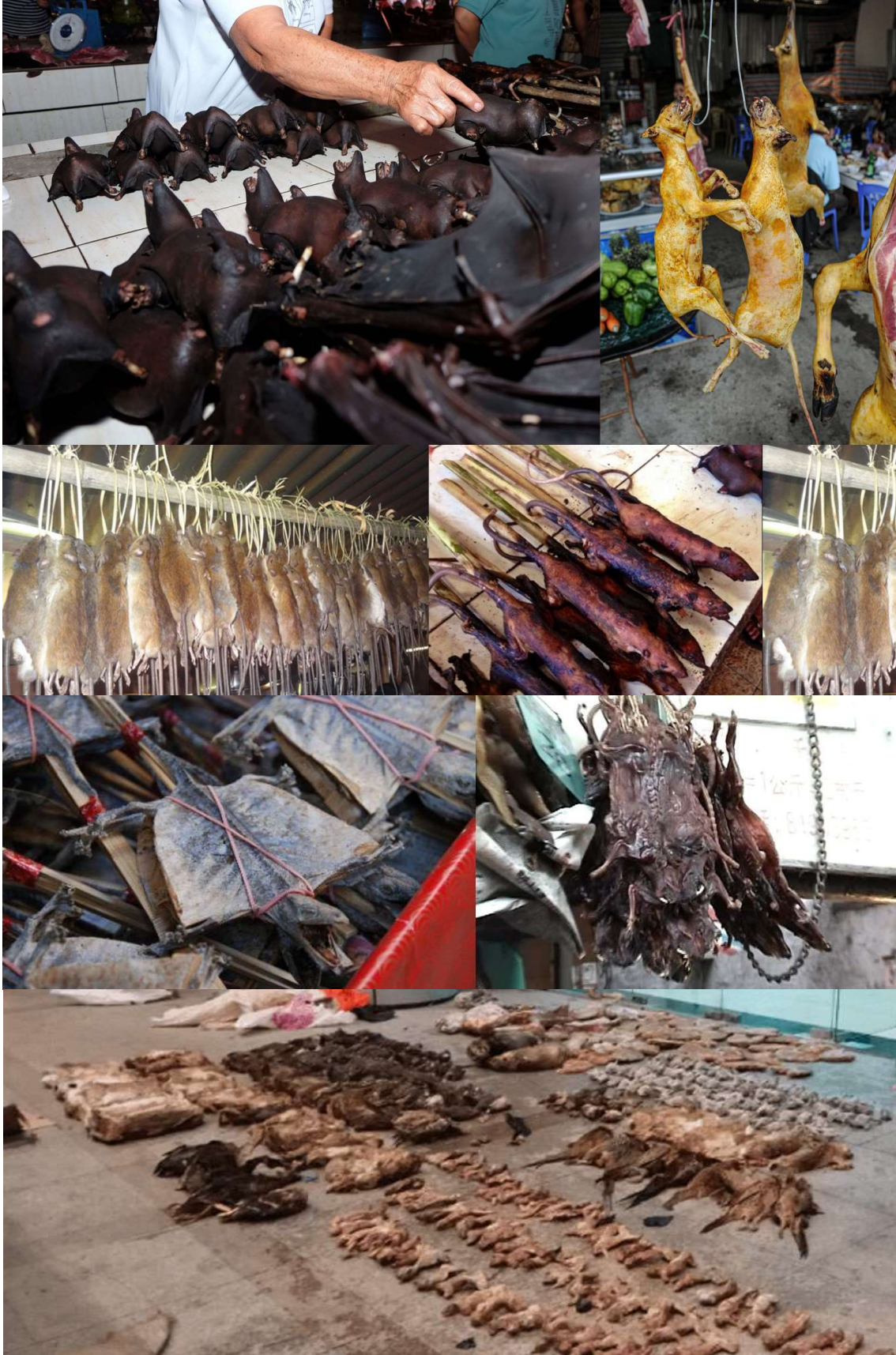


Wildlife Animals Trade

Coronavirus Closings



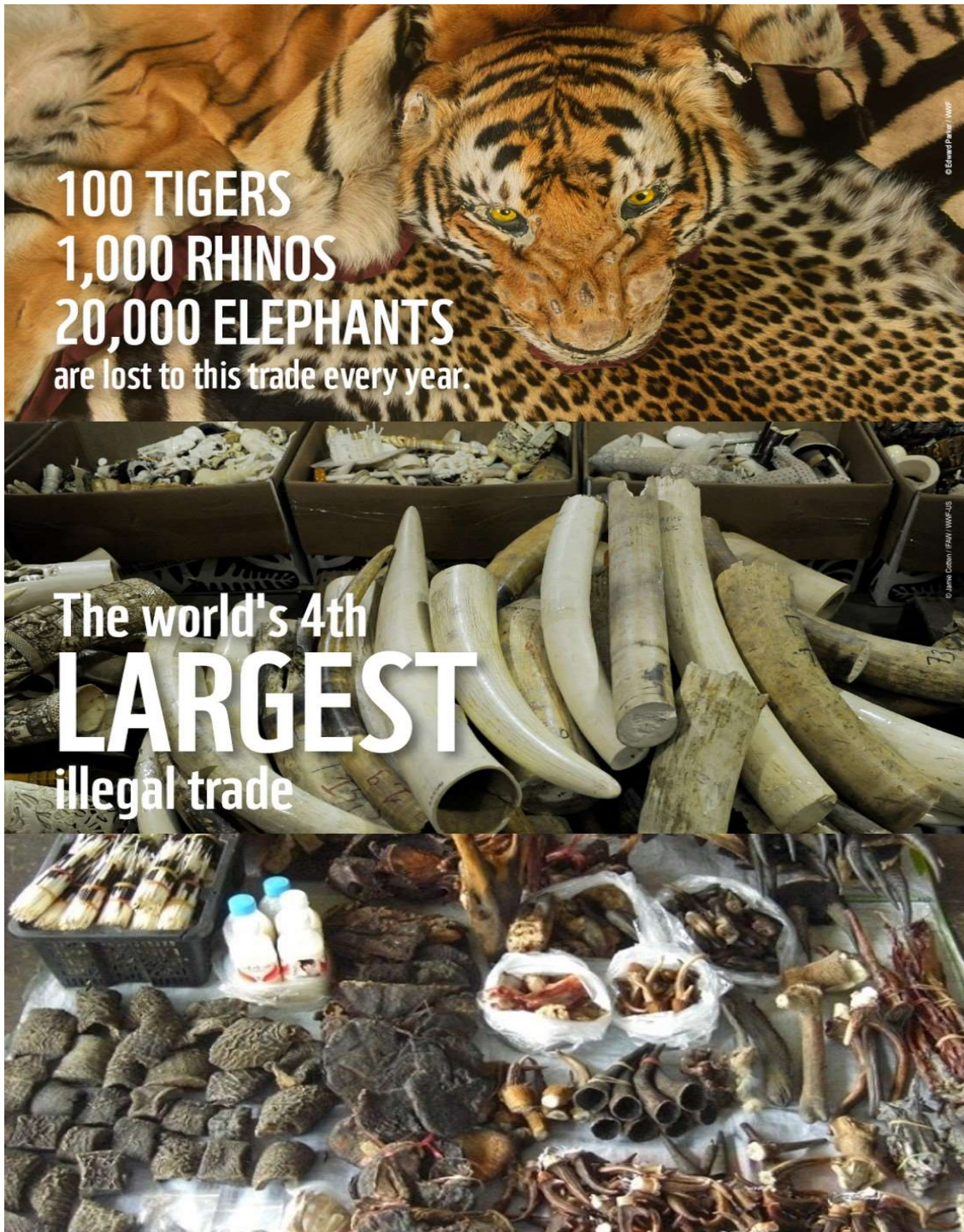
Coronavirus Closings



Coronavirus Closings

Wildlife Trade and Global Disease Emergence

Wildlife trade usually involved in killing animals like tigers, leopards, crocodiles for their skins for decoration, leather goods and souvenirs, consumption as food, medicinal purposes, ivory for ornaments and as pets. This illegal trade of exotic wildlife is rapidly growing across the globe.



Coronavirus Closings

Global trade of exotic wildlife induced the emergence of diseases associated with these wildlife species had time and again been seen that it could cause a potential human health risks. Its virus mutation could be transmitted from exporting regions or during transit and could jump species' barriers infecting humans that came in close proximity with it.

As such, these wildlife-borne diseases brings an increased risk of unchecked pathogens, contributing to the emergence of new diseases in livestock, and thereby transmitting infectious diseases through human-animal interactions inherent in the global wildlife trade.

Studies conducted and concluded by US Centers for Disease Control and Prevention (CDC) had scientific evidences, proving that pathogens like zoonotic retroviruses, simian foamy viruses and primate herpesviruses were originated from the illegal livestock.

The confiscated livestock were brought in for laboratory investigations to establish the facts and tracking diseases associated with illegal wildlife trades and help to facilitate prevention of future disease emergence.

Besides illegal wildlife trading, it could cause a serious impacts on our ecosystems after habitat loss, threatening the extinctions of endangered species like white elephants, rhinos and pangolins etc. to the serious disturbances in the wildlife complexity web of their jungle life.



Coronavirus Closings

Historical Toxic Gases and Biological Warfare

According to historical war archives, cases ever happened using the deadliest deployment of “man-made”, supertoxic gas or chemical warfare during WWI and the germ warfare employing various methods on the infectious pathogen agents during WWII to incapacitate humans to gain tactical advantage over the enemy.



A Piece of History



Coronavirus Closings

During World War I, German Army used toxic chemicals and germs warfare to win the war by releasing lethal tear gas agents like phosgene, chlorine, and mustard toxin gas attacks and also to infect horses with anthrax viruses to sabotage its enemy's forces so as to demoralize, injure and killed all the defender troops by anthrax epidemics.



Coronavirus Closings

Before World War II started, the Imperial Japanese Army being inspired by the German method of using lethal gas attacks on its allies secretly sought their Japanese scientists to do a research and to develop a lethal biological weapons for the Imperial Japanese Army to start their strategic and tactical planning on the world invasion's ambitions to win the war against the world.



For a decade, the Japanese scientists had been secretly carrying out a sickening human experimentation research on prisoners using deadly pathogens by injecting on them with fatal and contagious organisms that caused many to suffer under the torturing of the diseases on cholera, anthrax, smallpox, and many other kinds of venereal diseases etc. and leaving them untreated in order to study the their harmful side effects of the disease. It is a horrific act and sufferings of humanitarian to the extreme that until today, the older generation of the Chinese people had still not forgotten the miseries that they had undergone through during the Japanese Occupation period.

The scientists were getting ready to test and deploy a large-scale of biological weapons after succeeding the human pathogen experimentation. During World War II, Unit 731 was established and led the Japanese army to attack on China using the lethal biological weapons that they had successfully tested and developed.

Using germs warfare attack were carried in a manner such as:

1. Planting bombs with deadly pathogens to extend its territories spread,
2. Water reservoirs and wells were secretly infected,
3. Flying aircraft around the sky and dropping of germs into many areas, but away from the Japanese army camps to infect the allies' foods and clothing,
4. Releasing plague-infected fleas to attack on the China arm forces etc.

Coronavirus Closings



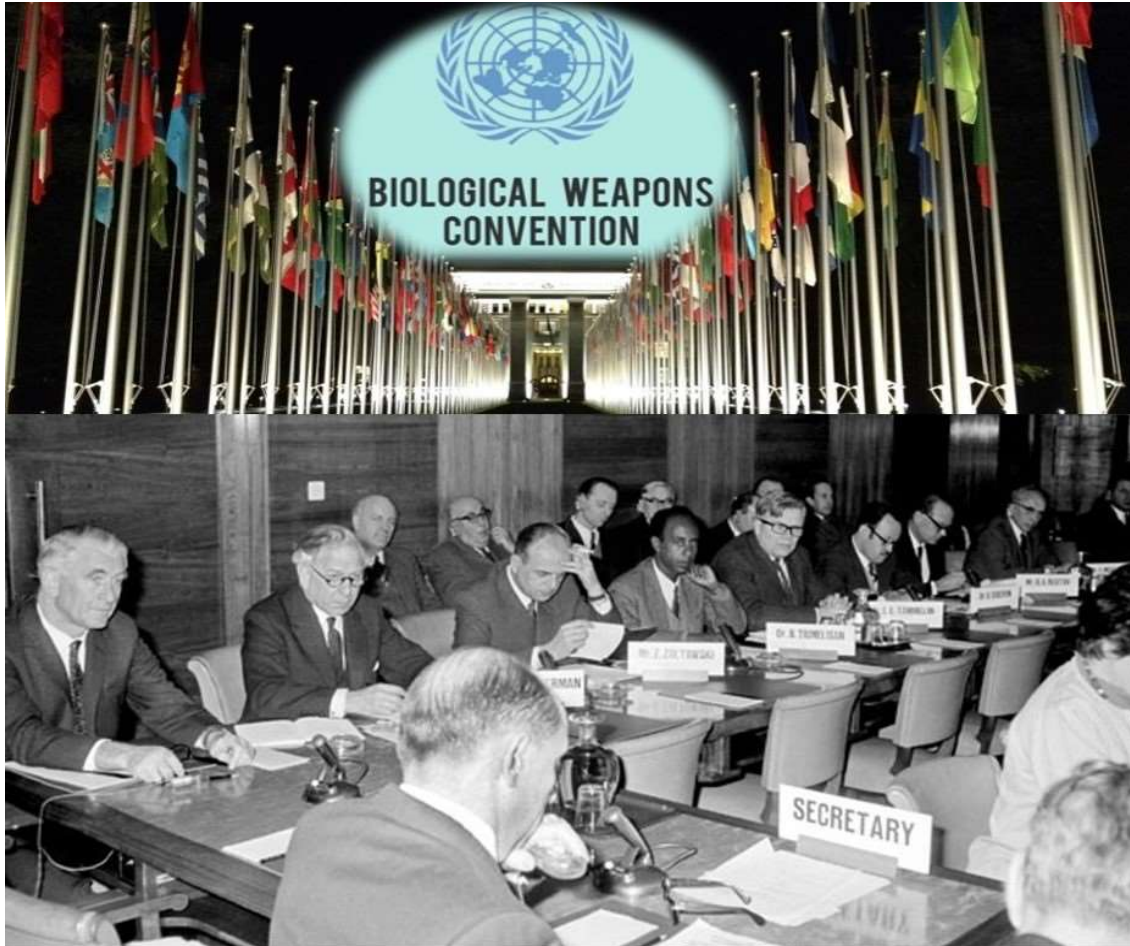
But, unfortunately due to the uncontrollable spreading of the lethal agents and the wind and climate changes, many people including the Japanese army troops too had become the victims of the deadly virus attacks. Some had died from the fatal diseases and many sufferers, ending up with rotten legs and not able to live their normal lives activities thereafter.

Because of the seriousness and terrible sufferings of many innocent victims after such warfare attacks, both the use of chemical weapons for instance tear gas and biological agents in warfare are now prohibited and are considered a war crime if they are being used. The Biological Weapons Convention (BWC) was established and entered into force on March 26, 1975. Several disarmament international treaties were drawn up on April 10, 1972 for every states' leaders in the world to sign and agree upon for the mass destruction on these lethal agents used in the warfare to be disarmed, banning the invention, production and stockpiling supplies of biological weapons.

Any engagement in the chemical and germ agents are considered a war crime under the international humanitarian law and international treaties.



Coronavirus Closings



Banning Biological weapons

- Geneva Protocol
 - Use of biological weapons was banned in international law by the Geneva Protocol of 1925.
- Biological and Toxin Weapons Convention
 - The 1972 Biological and Toxin Weapons Convention extended the ban to almost all production, storage and transport of any types of biological weapons.



Coronavirus Closings

The Virus Infections Spread



During the initial outbreak, the Chinese government was optimistic that they could contain this coronavirus by quarantine Wuhan and nearby cities with a circumference area covering about 50 million people inside Hubei province. More alarming death toll

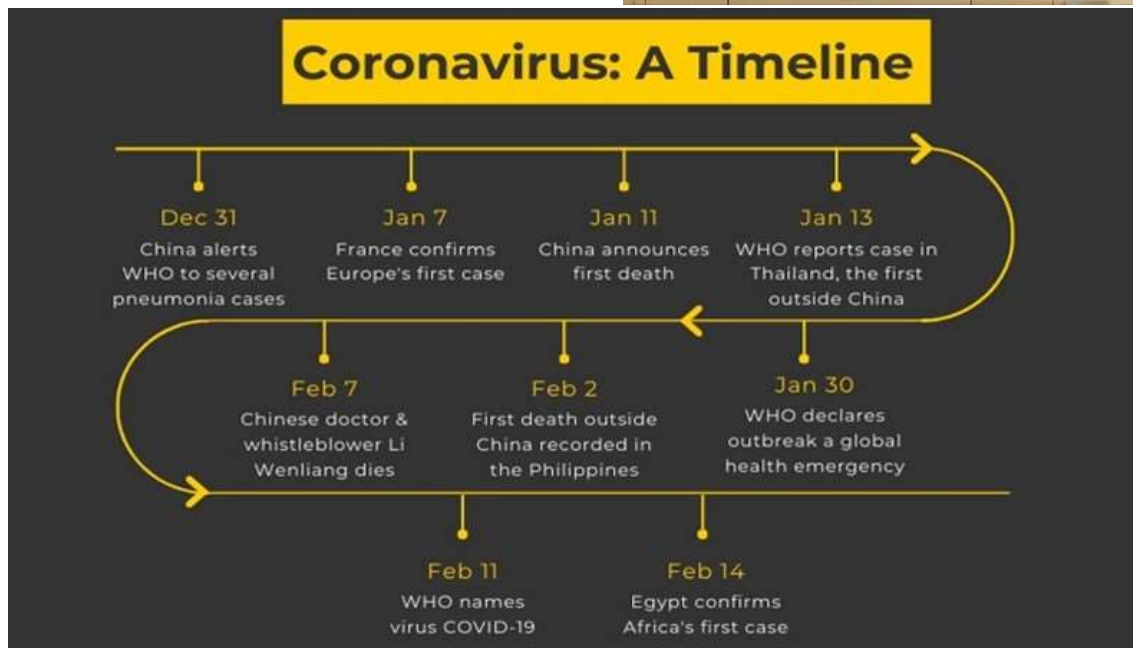
mounted, and with ever increasing confirmed and suspected cases kept rolling day in and day out. The Chinese scientists, virologist and infectious experts after carrying out a detailed investigation on all the factual, scientific and bio data collated from several infected patients had concluded that the fatal disease was capable to infect human to human transmission. Unfortunately, the vaccine available at present times was ineffective to treat the infected patient at all. The only path to recovery is totally dependent on the patient's immune system to fight the bug.

Flash News and National States News were broadcasted daily, cautioning every citizen in the country to be on their toes and be alert, advising the public to wear a mask for preventive measures. Surgical masks were issued to citizens and hand sanitizer dispensers were visibly available at all public essential services area for used.



Coronavirus Closings

As the virus gained out of control, the Chinese government alerted WHO on 31 Dec 2019 on its severity impact and escalating confrontation of this infectious diseases that could do harm to humans. WHO declared an international health emergency on 30 January 2020 and renamed this novel coronavirus disease to COVID-19.



To date as of 25 April 2020, the virus infections spread had caused a hampering to the global trade and economic growth on the world economy while battling the pandemic which led to a much worsen situation than the Great Depression times. During the Great Depression period, a global crisis lasted 10 years of severe economic depression from 1929 until the late 1939s, wiping off millions of investors out from the turmoil stock market. It was considered the greatest and the longest economic recession in the modern world history ever recorded in job losses and businesses filing for bankruptcy.

As the figures kept escalating, the Chinese government took an unwavering step to bring down the whole country under lockdown for 2 months, putting the shutters down on all the cinemas, schools, restaurants, gyms, entertainment centers to the extent of banning funerals and weddings gathering on site and all the non-essential shops to stop further community transmissions of the novel coronavirus.

Coronavirus Closings

A legislative mandatory law was gazetted, requiring every citizen to wear a face mask outdoors, no group gatherings and no one to be seen outside for any non-essential reasons.

Under the Infectious Diseases Act, an enforcement officer could take stern action against individuals, business owners or entities who flouted the orders and requirements.



People were advised to stay indoors and used telecommuting technology to work from home as the number of unlinked cases had continuously been increasing, indicating a community spread of the diseases by asymptomatic person who were infected without any symptoms displayed.



The total number of unlinked cases appeared to be at a significant number of the local infection cases announced each day.

If the virus infections still remained uncontrollable, the lockdown period would be extended with more stringent measures imposed to further reduce the transmission of the coronavirus by minimising human interaction.



Coronavirus Closings

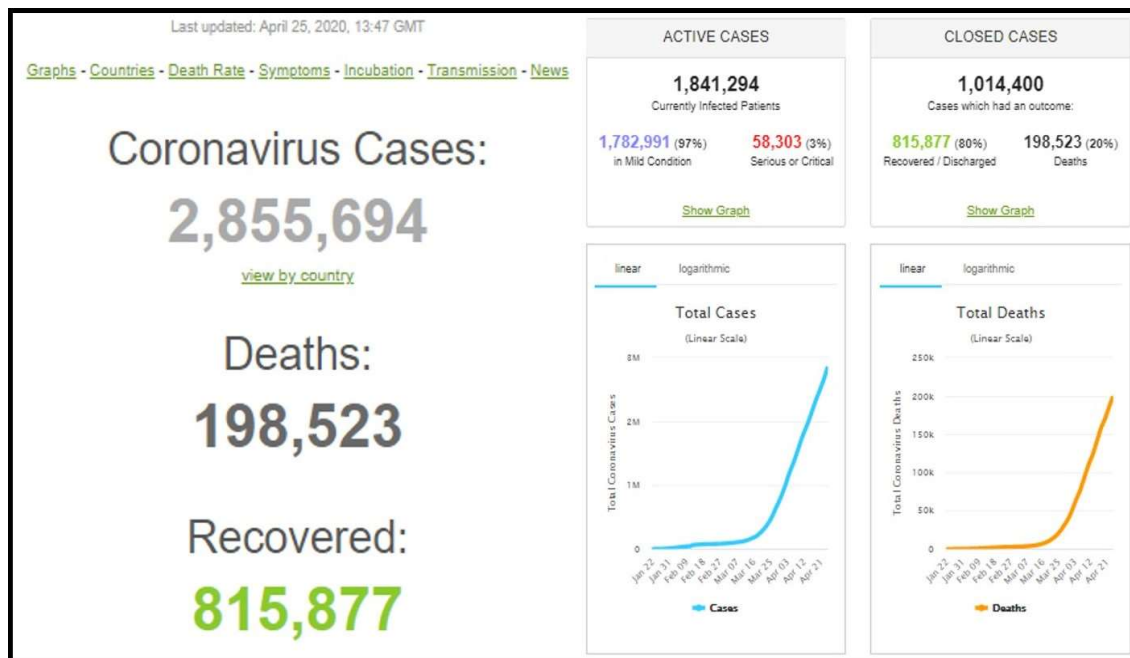


Simply put, the economic challenges faced now were very grave as every nation leader across the globe was rolling out several stimulus financial relief packages to their citizen to tide over the tough times of fighting the bug together as one unified team spirit.



Meanwhile, billions of dollars had been injected into finding a vaccine for the coronavirus treatment as scientists in the world are racing against time as the confirmed infection cases crossed the 2.8 million marker as of 25 April 2020.

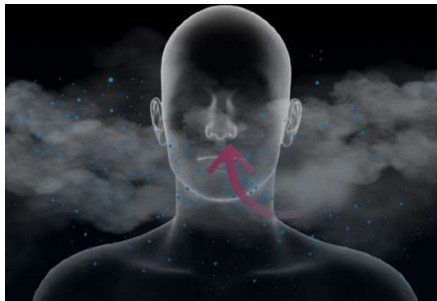
The number is still going up steeply unless a cure is found to break the total chain of the coronavirus infections.



Coronavirus Closings

Virus Signs and Symptoms

Coronavirus is an influenza which categorised under SARS, Severe Acute Respiratory Syndrome, and it mainly affects the lung regions mostly through droplets.




Droplets
containing
the virus:
5 microns
or less

Airborne droplets containing the virus can survive up to 3 hours



The main symptoms are:

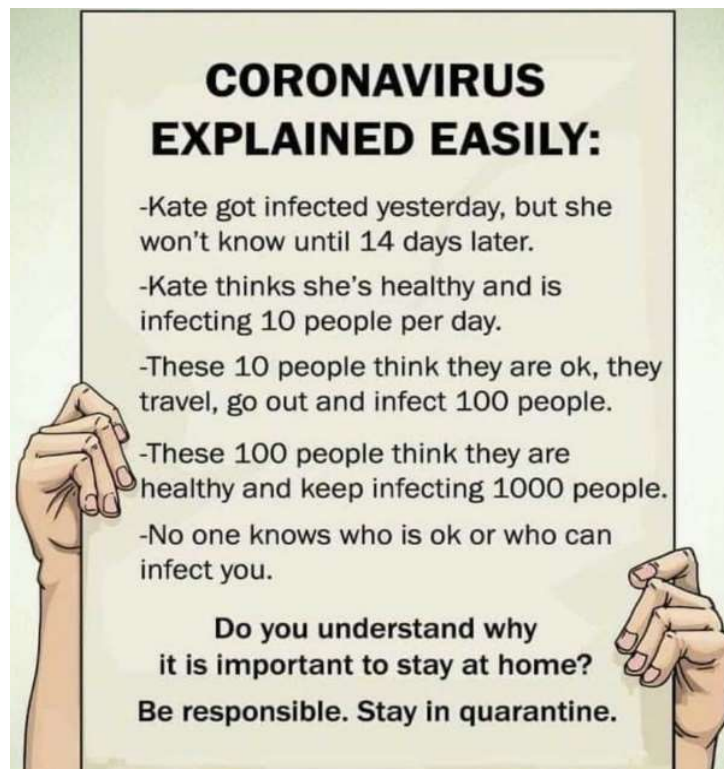
1. Fever
2. Dry cough
3. Running nose
4. Loss of Taste Bug and Smell
5. Breathing difficulties

People with such symptoms are stipulated to avoid contact and stay away from other people, and imposed self-isolating for 14 days at home, and

keeping tabs on their own temperature by monitoring twice a day.

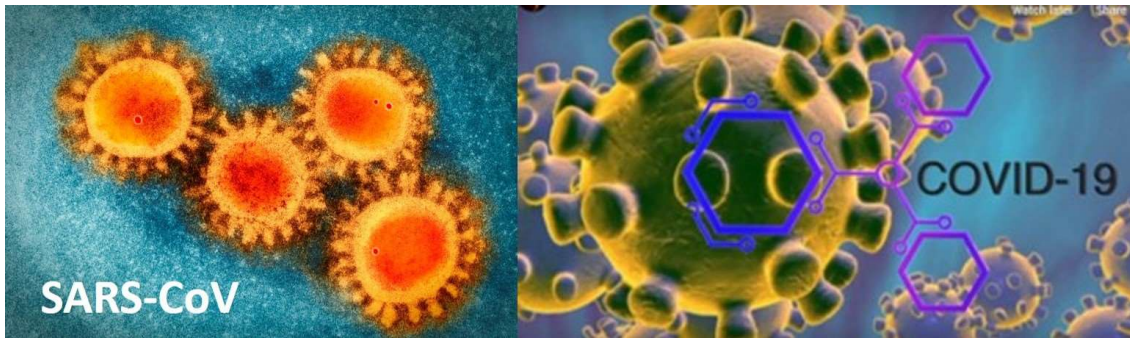
During the incubation period of coronavirus, if there is no fever symptom showing up until the last day of it, they are declared not infected and can then leave their home for work and resume their normal daily activities.

Otherwise, they need to seek doctor consultation for follow up actions.



Coronavirus Closings

By the study of the new coronavirus bacteria's behavioural patterns, the scientists and the infectious experts were pretty sure that the common signs of infection are similar to the SARS-CoV virus with respiratory problems that include having fever, coughing, breathing difficulties and in more severe cases, it can cause life-threatening attacks on pneumonia, multiple organ failure and eventually death.



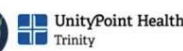
They can only primarily be spread by droplets transmission that came from an infected person when he is coughing or sneezing, or from their saliva droplets or nose mucous discharges into the air.



To protect oneself from catching such germs in the air, WHO recommends the following basic personal hygiene cleanliness:

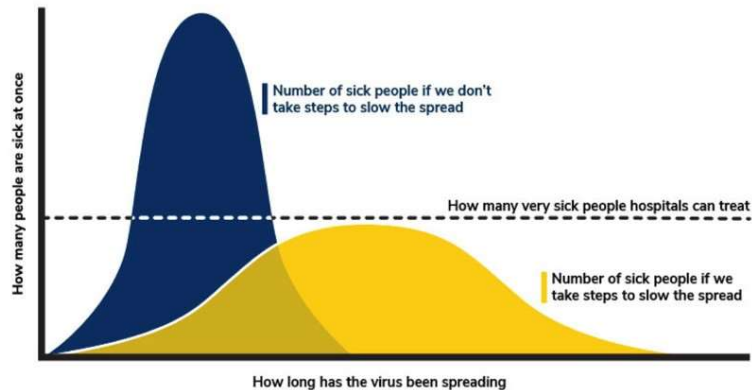
1. Clean hands with a hand sanitizer if there is no readily water available. But, if there is a water tap around, always wash hands with soap and water thoroughly and then dry them afterwards.
2. Wear a surgical face mask whenever in crowded places such as shopping mall, wet markets etc.
3. Using ones' elbow to cover mouth area when sneezing or coughing.
4. Avoid touching face, eyes and mouth areas with our hands as the microbes can enter into our body immune system in this manner.
5. Avoid unnecessary close contact with animals and always remember to wash your hands after contact with your pet dog or any outdoor cat.
6. Always maintain a social gap distancing of at least 6 feet in between.

Coronavirus Closings



Steps to take to flatten the curve:

- Wash your hands
- Avoid travelling to areas with the virus
- Stay home if sick
- Avoid hosting large gatherings



What is Coronavirus?

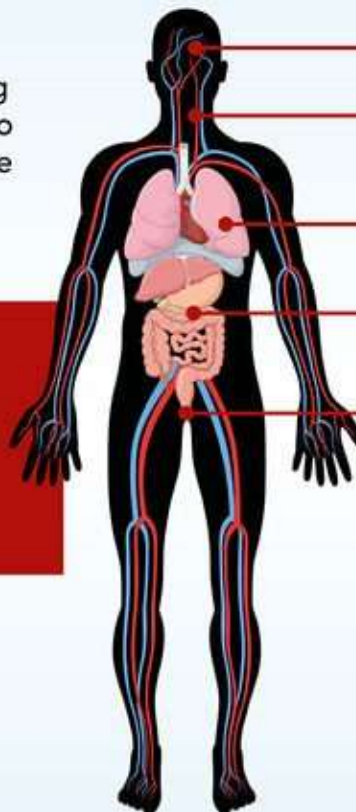
Coronaviruses are a large family of viruses that cause illness ranging from the common cold to more severe diseases like pneumonia, MERS and SARS

SEVERE SYMPTOMS

- High Fever (100.4°F or higher)
- Pneumonia
- Kidney failure
- Death

TRANSMISSION

Coughs or sneezes from infected person or touching contaminated objects



COMMON SYMPTOMS

- Fever
- After 2 to 7 days develop a dry cough
- Mild breathing difficulties at the outset
- Gastrointestinal issues
- Diarrhea
- General body aches

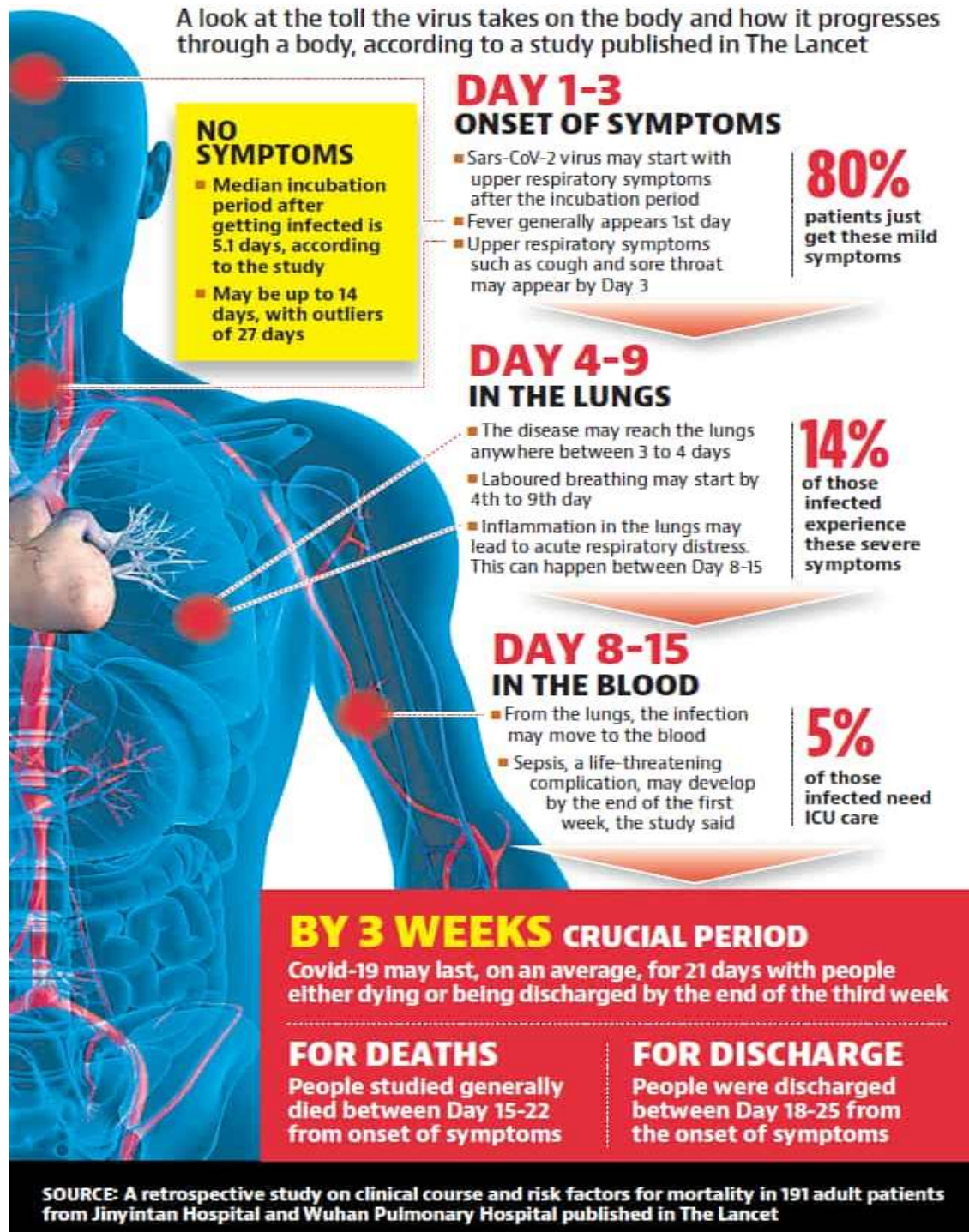
* Source: Centers for Disease Control and Prevention/ USA Today

EXPRESS

Coronavirus Closings

Severe Organ Damage by Coronavirus

The novel coronavirus, SARS-CoV-2, travels from the upper respiratory pathway from the throat to the lungs region and finally on the veins' bloodstream, taking from Wuhan's 200 patients disease timeline progression being published in Lancet medical journal.

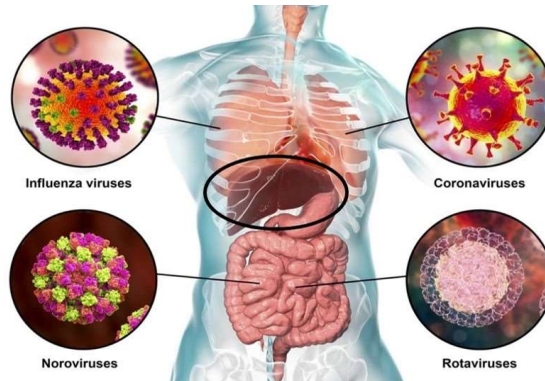


Coronavirus Closings

Don't Underestimate the Coronavirus Attack

Do not overlook the liver as there are real cases that happened to novel coronavirus patients.

Case#1 Damaged Liver



Wuhan doctors who were critically ill with coronavirus wake up to find that their skin has turned dark after virus damaged their liver

By Billie Thomson For Mailonline

18:31 20 Apr 2020, updated 19:38 20 Apr 2020



Coronavirus Closings

In January 2020, the Chinese doctors by the name of Dr Yi Fan, a cardiologist, and Dr Hu Wei Feng, a urologist, who were colleagues working at Wuhan Central Hospital with Dr Li Wen Liang, the whistle blower who died of the gravely infection on 7 February 2020, were also both diagnosed with coronavirus while treating patients in the month of January.



Both of them were bedridden ever since. After struggling for four months of intensive treatment at Wuhan Pulmonary Hospital, they finally woke up from fighting coronavirus to find their skin pigments turned to a darker tone due to the liver damage caused by the deadly infection.

Needless to say much, both men received a tremendous shock in their life after they got to know their illness conditions. Physically they felt immensely weak and mentally they both underwent a psychological hurdle to deal with their traumatic experience in accepting the truth facts.

The two men since then became known as the two black-faced Wuhan doctors and praises were kept continuously pouring in for their fighting spirit against the killer disease.

China Daily reported that Dr Yi Fan was only discharged on 6 May 2020. But, sadly, Dr Hu Wei Feng appeared never to recover from the ordeal and finally succumbed to his death on 2 June 2020 from the deadly disease complications after battling with it for nearly five months since January.

According to local state media reported on 2 June 2020, he had become the sixth doctor from the epicentre Wuhan to have died of the virus since the first COVID-19 fatality surfaced in December 2019.

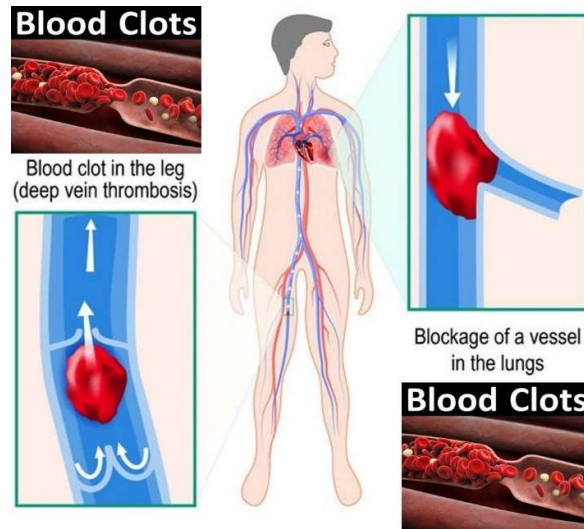


Coronavirus Closings

Case#2 Mysterious Blood Clots

Doctors are paying attention to the coronavirus disease discovery in a way that they have found blood clots in their patients' lungs area, a new potentially deadly complication of the virus.

From the patient's X-rays taken, it shows the lung areas are filled with hundreds of microclots that are causing acute respiratory distress syndrome known as "wet lung" to the sick patient.



Wet lung syndrome in patients is mainly due to microclots which attribute to lack of blood flow from the lungs during which the blood carries less oxygen leaving the lungs. This explains why ventilator operates poorly for patient with low blood oxygen.

Microclots can lead patient to lethal pulmonary embolisms, strokes, heart attacks, kidneys and other chronic issues as well.

Risk Factors for Pulmonary Embolism (PE)

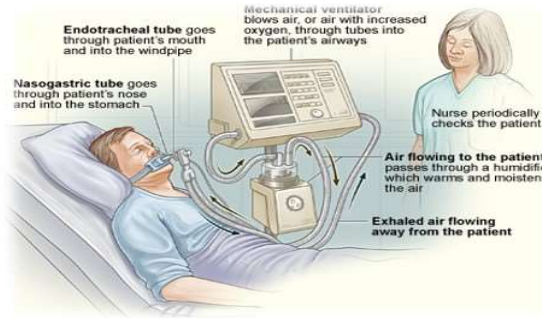
The diagram illustrates the path of a pulmonary embolism. It shows a human torso with the heart and lungs. A red arrow indicates the path of a blood clot from the leg, through the inferior vena cava, to the heart and then to the lungs. Text labels include: 'PULMONARY EMBOLISM', 'The blood clot from the leg vein travels to the heart and is lodged inside a blood vessel in the lungs, blocking blood supply. This is a potentially fatal emergency.', 'Heart', 'Blood clot inside a lung blood vessel blocking the blood supply', 'Embolism travels up through inferior', 'trachea', 'right lung', 'alveolus', 'branch of pulmonary artery', 'pulmonary embolism', and 'branch of pulmonary artery'.

PE travels up through inferior vena cava to heart and lungs

The pulmonary embolus syndrome prevents the action of exchanging oxygen and carbon dioxide in the lungs and also restrict the amount of blood flow reaching to the lungs.

Coronavirus Closings

As such, patients with blood clots are critically ill in the ICU wards while others are diagnosing with complications like kidney issues and heart problems, all being hooked up to a ventilator pumping machines to assist them with breathing difficulties in their lungs.



A patient with blood clot issues can also experience an intense limbs' pain over his entire body when the blood supply to a limb is blocked and prevented the nourishment and oxygen from reaching the nerve and muscle cells which explains why when trying to bend over, lifting up the hand, leg and arm, or even stretching the fingers can feel painful.

Where there is a severe lack of blood flow to both feet and both hands, an amputation is the last resort the doctor may have to perform on the patient, or else if the blood vessels become severely damaged, an extremity like a frostbite can drop off by itself.

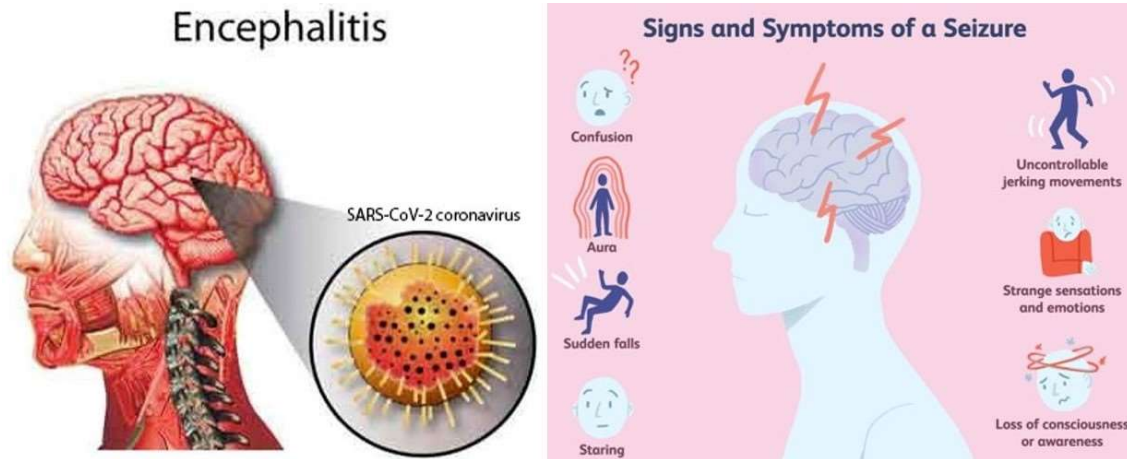


Simply put, there are still a lot of unknowns that doctors and scientists are struggling to have a better understanding about how this coronavirus disease is affecting the human body and how to treat them in their best medical knowledge know-how.

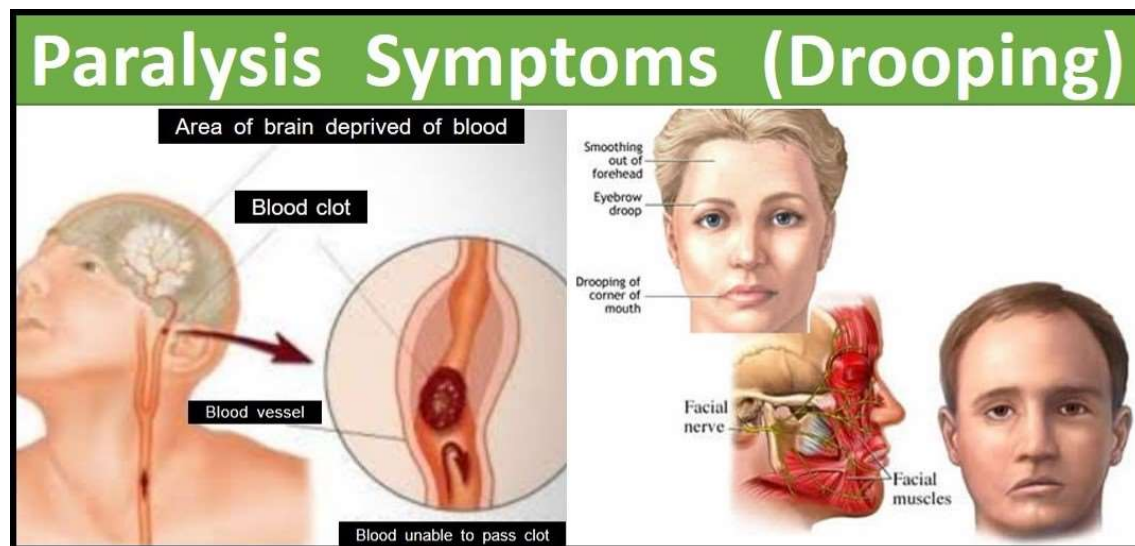
At the current situation, it seem like with the absence of the clinical trials, vaccine or scientific proven treatment method, the very best treatment method to engage in is to figure out how to give the best treatment to these complications arising from the coronavirus disease. The rest are left to the miracles and God healing powers to heal the person and lifting him up from the disease. May the Lord shows mercy and strength to the sick person and heal him with HIS greatness love for his children, AMEN!

Coronavirus Closings

Case#3 Neurological Symptoms Leading to Paralysis Effects



There are cases reported by infected patients that they experience muscle weakness, viral encephalitis (inflammation of the brain) and seizures medical conditions where health experts are more worrying that these patients develop neurological symptoms may potentially lead to paralysis, including younger coronavirus patients.

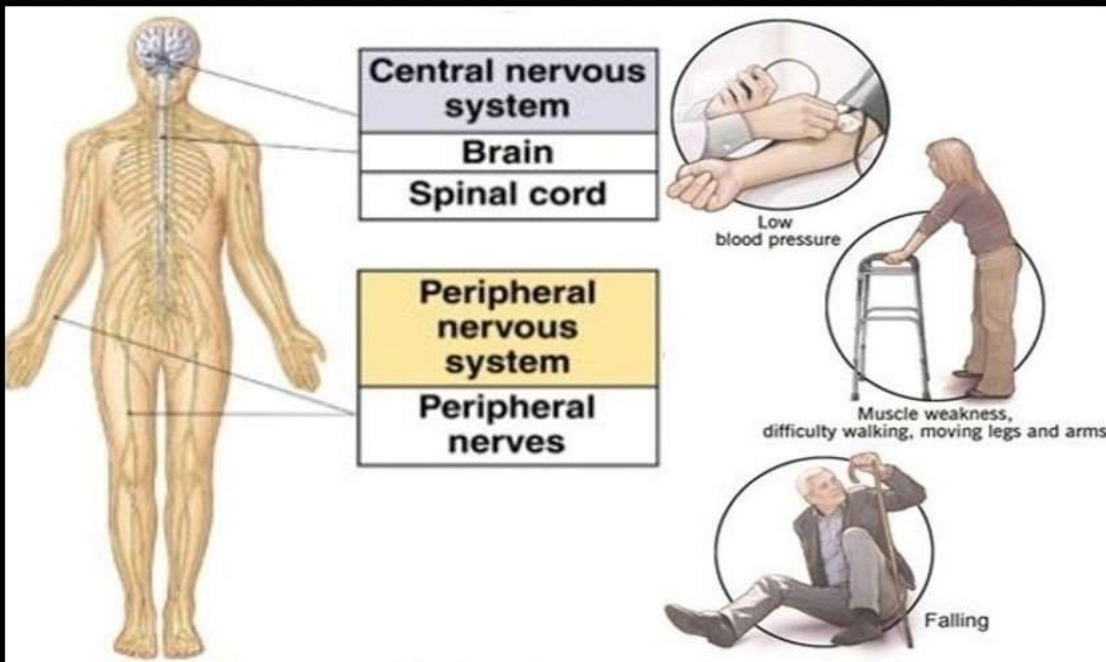


Based on global scientific findings and studies on the coronavirus, the SARS-CoV-2 coronavirus disease can also attack and damage the central nervous system. It discovers that the virus can invade the central nervous system through blood and viral neuronal circuitries, affecting primarily the pathways of the lungs and the heart organs, and also travel to the brain.

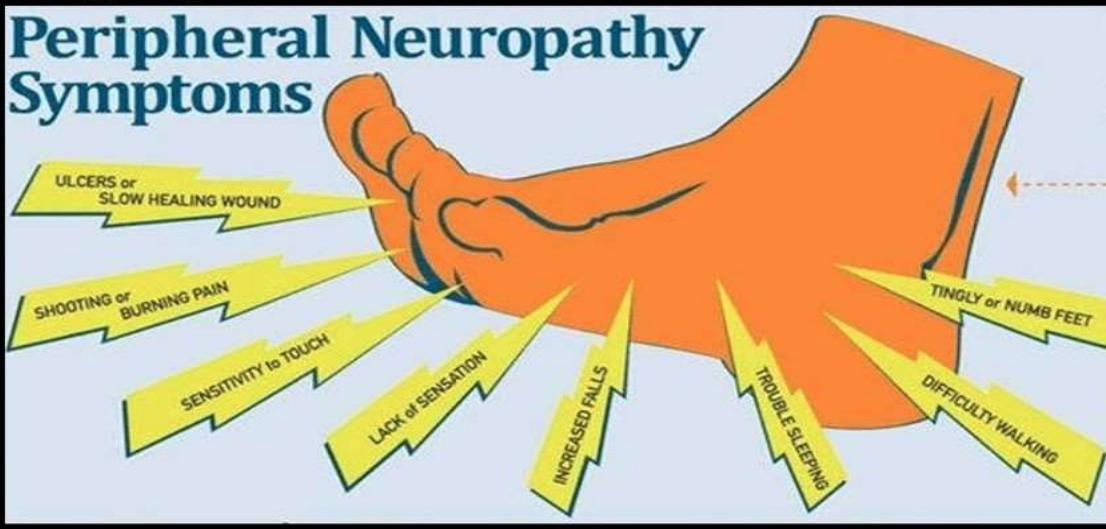
The nervous system cover symptoms like headache, dizziness, disturbance of consciousness, acute cerebrovascular disease inclusive of epilepsy, and peripheral neuropathy conditions.

Coronavirus Closings

Some of the Common Neuropathy Symptoms



Tingling and numbness of feet and hands



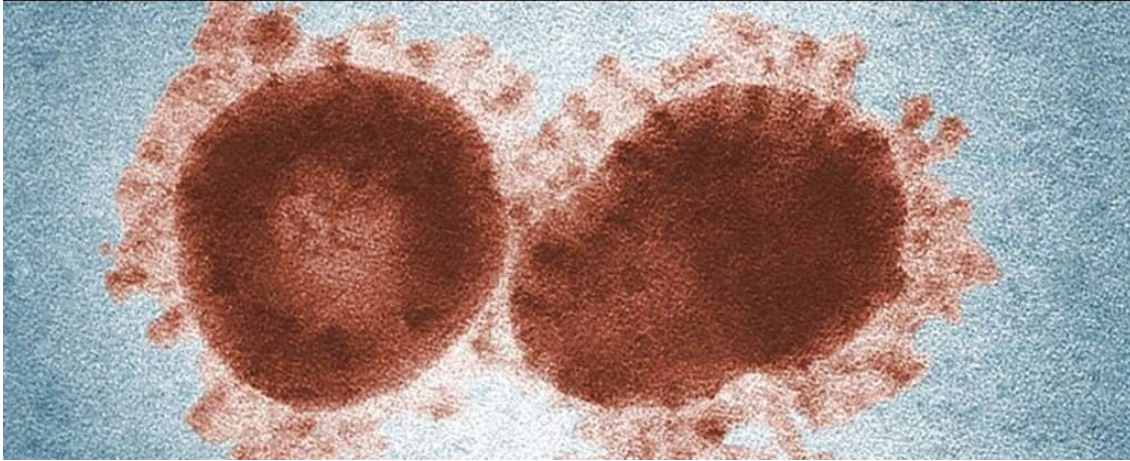
Peripheral neuropathy conditions result in an intricate nerves network system that carries messages to and from the brain and spinal cord from and to the muscles, skin and internal organs. If there is impairment to the peripheral neuropathy, the patient often experiences weakness, nerves sensitivities such as numbness and pain (usually in hands and feet and also other body parts), decreased taste and smell, and appetite.

Simply put, besides respiratory symptoms, doctors must also pay close attention to any manifestations of neurological symptoms.

Coronavirus Closings

Case#4 Contaminated Faeces

Faeces samples taken under microscope



Latest studies suggested that the coronavirus can also spread via faeces after 22 days taken from the patients' stools rather than the standard 14 days retention period stated in other coronavirus studies on SARS-CoV-1 in 2003 cases.

By using blood samples from COVID-19 patients, this test detects the antibodies whether they can neutralize the novel coronavirus and stopping the virus infecting cells.



The viral RNA genetic material of the coronavirus from the respiratory tract, stool, blood serum and urine samples were taken daily from several patients and submitted to laboratory for detailed diagnostic testing for undergoing research findings.

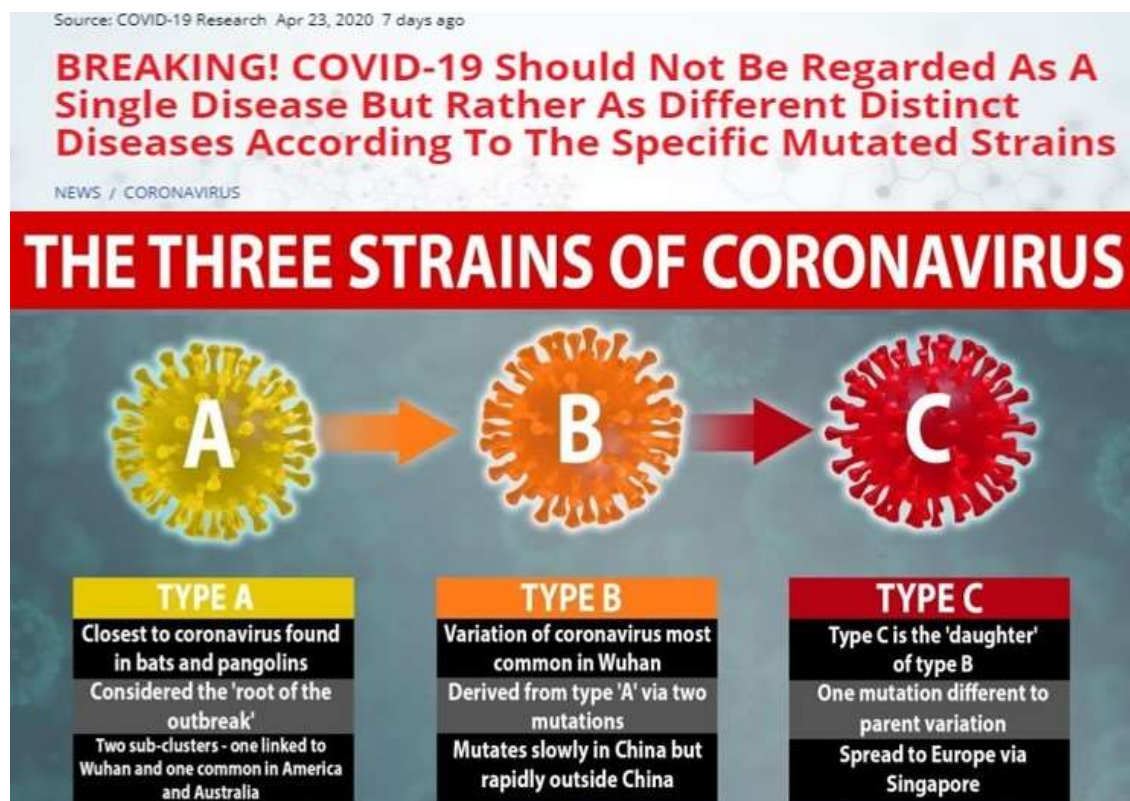
Besides the positive readings on some patients' stool, researchers were equally astonished to have found some tested with positive results on their urine samples for coronavirus.

Patients with severe disease showed a significantly higher viral loads on germs count present in their samples taken as compared to those with mild disease. Researchers hope that these viral loads' findings from the infected patients' samples can be used to assess prognosis leading to future vaccine development of medical conditions to a solution of coronavirus treatments.

Coronavirus Closings

Case#5 SARS-CoV-2 Strain Mutations at Rapid Changes

The researchers from the Institute of Medical Research department had laboratory evidence while doing virus isolation and virus culture, they discovered SARS-CoV-2 strains have another capabilities to mutate at rapid changes of 270 times and attribute to some deadliness strains. This explains why there are many different types of virus strains with different impacts of the disease affecting across various parts of the world. Each time a new mutation being created from the strains, it undergoes a substantially changing on its pathogenicity (property of the disease) and virulence characteristics in altering the functional changes in the virus' spike protein enabling certain mutations to form strains deadlier with an aggressive infectivity that can severely damage the human immunity host cell. These rare rapid changes incur by the mutations had really shocked the scientific world and taken aback by the genomic and medical scientists as they have never seen in their lifetime findings that mutations can evolve in so many different ways. For instance, according to their findings, the positive cases detected in the first wave outbreak of Strain A was mostly found in the US while Strain B refers to the early second wave outbreak found in Wuhan of China and Strain C was mostly found in Europe, Singapore. A red flag have been raised on this new virus mutation findings.



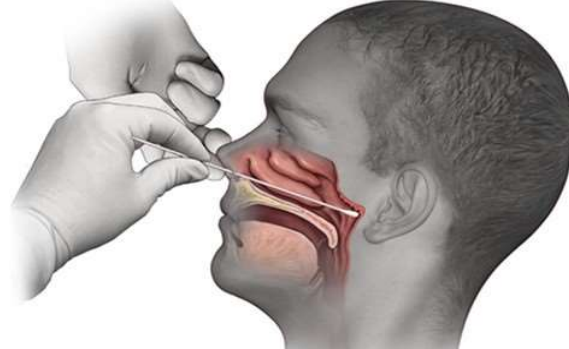
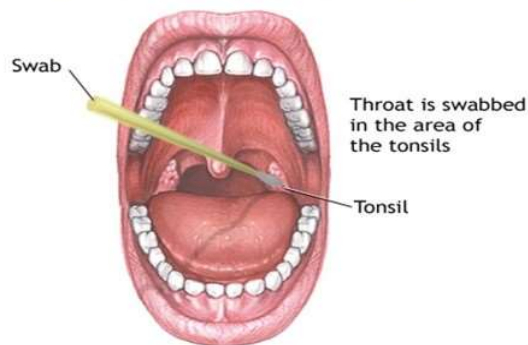
Coronavirus Closings

Case#6 Re-Infection of Coronavirus from Recovered Patient



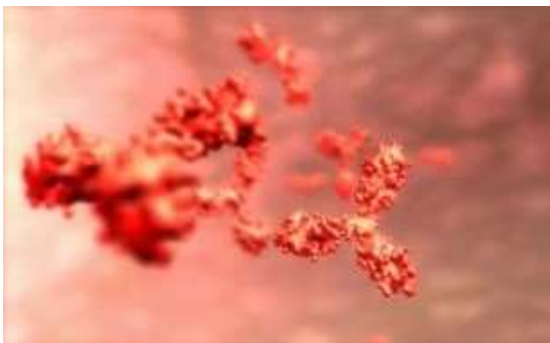
Throat Swab Test for COVID-19

Nose Swab Test for COVID-19



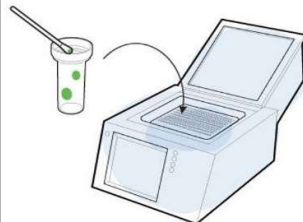
Recovered patients from coronavirus may not necessary become immune to the virus infections as re-infection can still be possible.

According to a recent Chinese study who had conducted some experiments on recovered patients from the coronavirus, they found that several discharged patients returned back were still tested positive for coronavirus even though they looked fine and did not show any symptoms at all. Simply put, these patients are now asymptomatic. It seems like even though the virus had been stopped, but the viral RNA genetic code still remain dormant in the patient immune system and can last a long time.



In the meantime, there is currently no solid evidence to prove that those recovered patients from the novel coronavirus had self-developed its own antibodies and are immune from getting re-infected again the second time of reexposure to the virus transmission.

Coronavirus Closings

How Coronavirus Testing Works Real-time reverse transcription polymerase chain reaction (RT-PCR) tests are used to detect genetic material. These tests can be used to screen samples and to detect infection. 1 Samples are collected from the nose or throat of a patient using a swab. The sample is sent to a lab.  2 The sample is mixed with chemical reagents and put in a machine that duplicates the genetic material. 	3 If the virus exists the copies made by this machine will confirm its presence.  Room for error  The samples come from the nose or throat and that limits how much of the pathogen can be obtained. Covid-19 is a lung infection.  The time to take the samples to the lab is crucial because the life of the pathogen doesn't last many hours. Source: U.S. Department of Health & Human Services Alberto Cervantes/THE WALL STREET JOURNAL
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Other explanations given by the experts for yielding such retesting positive results could be:

1. the chemicals used on the test kit's tissue paper
2. the virus had somehow been mutating in another form that is not being able to be identified by the coronavirus diagnostic test kit anymore

Some government officials had proposed to issue an "immunity passport" to these recovered patients for identification of recovering from infected cases, allowing them to return back to work or travel freely. At this point in time, experts believe it is futile and incredibly risky.

Lifting Covid-19 Lockdown with Immunity Passport



Coronavirus Closings

The best advice to offer to the discharged patients are:

1. They still need to wear masks to protect others
2. To remain isolated or quarantined for a while, making sure there is no re-detection of the virus after both throat and anal swab tests showed negative
3. Wear hand gloves and always disinfect any surface that come into contact

Not forgetting, asymptomatic patients are silent carrier spreaders and can still be infectious and infecting others with the virus spread contagions via respiratory droplets produced through coughing or sneezing. However, patients retesting positive again still remain an international concern which induce more complexity to the efforts of everyone to control the outbreak. International community is hoping that with the infected populations, it can help scientists to develop a vaccine with enough immunity cases to prevent and stop a resurgence of the novel coronavirus occurrence.



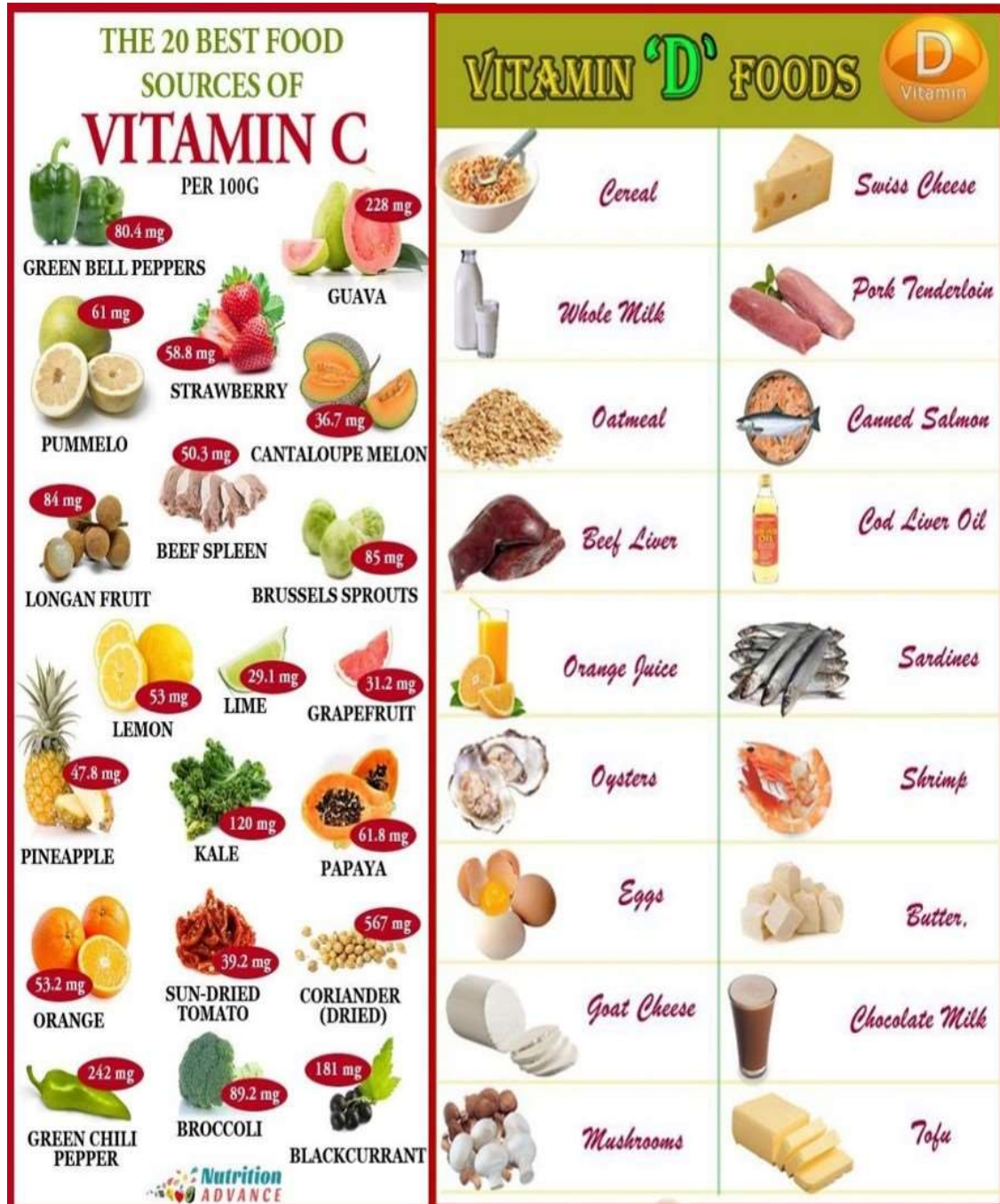
**LET'S BE
SAFE & CARE
FOR OTHERS**



Coronavirus Closings

Case#7 Vitamin Supplements to Boost Immune System

Advice given by the experts for those who have not yet been infected, suggesting that taking supplements rich in vitamins C and D is another form of boosting self-health and immunity system in the body to avoid coronavirus infection and also based on scientific data collated indicating that good nutrition plays an important part in supporting the human immunity development.



Coronavirus Closings

Case#8 Massive Heart Attack Sufferings

Massive Heart Attack Sufferings



This is a very rare case happened to one of the U.S. American elderly woman patient at the age of 57, died on 6 February 2020, who undergoes a suffering of a massive heart attack due to coronavirus infection where autopsy report of hers showed that there were signs of viral coronavirus infection in her heart, trachea, lungs and intestines throughout her whole body. Before her death, she was checked in with flu-like symptoms in the days.

Experts were totally taken aback by the autopsy report that normal heart does not burst in this manner where in this exclusive report of hers indicating that she contracted the novel coronavirus had ruptured and ripped open her heart muscles.

Simply, there is no answer to this rare case.

Novel coronavirus looks like it belongs to one of the rare kind of viruses that is truly difficult to treat and very different from any other pathogens alike in bacteria. Human immune system finds it difficult to respond to a viral than a bacterial attack which explains why medicines are becoming complicated to treat viral infection. Frankly speaking, scientists and experts are just in a total loss that this viral mutations can react to the human antibodies in many ways.

Coronavirus Closings

Viruses are really strange creatures indeed! Once they succeed to infiltrate into a human host cell, they start to eat it from inside.

When they leave the cell, they are no longer a single cell but in millions and the old host cell had reduced to nothing more than garbage. This is their reproduction cycle of novel coronavirus.

They can infect on humans and crops too. Furthermore, they are pretty intelligent in their infection way where these viruses can be transported through air, water, soil, and droplets via saliva or mucous, and from person to person.

As you may ask why not use antibiotic drug to treat the viral infection? Antibiotic drug cannot be used to treat viruses at all because these germs do not reproduce on their own which is not like the same as bacteria cell analogy.

At the moment, it looks like we have to rely on our own immunity system to fight the bug alone.

Take care of yourself first and take more vitamins C and D!



Coronavirus Closings

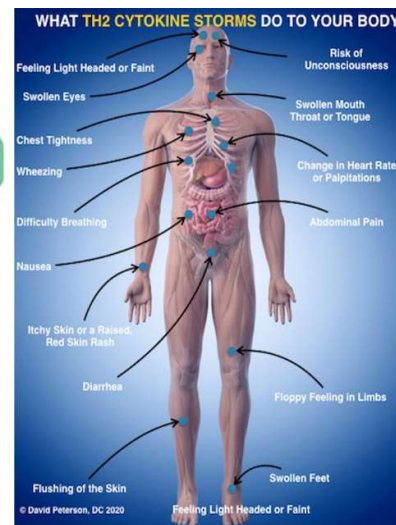
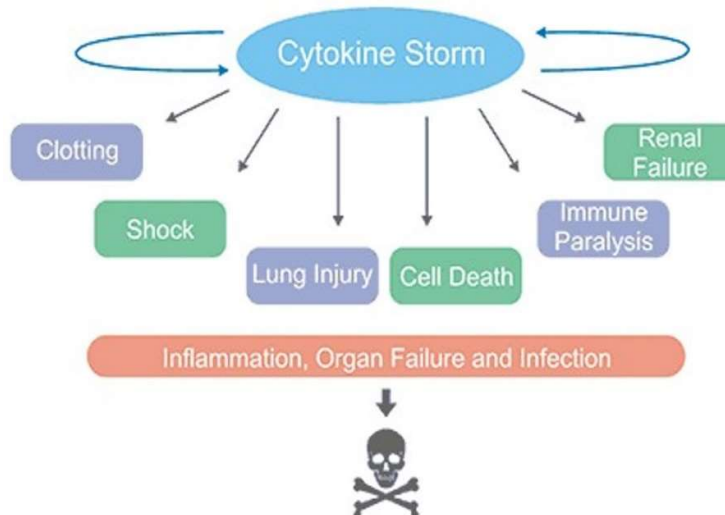
Case#9 Male Virus-Positive Patients with Low Testosterone Levels Correlate At Far Greater Risk of Dying

Clinicians have been unable to determine why men with virus-positive infections are facing at a higher risk of developing severe and lethal symptoms to death when comparing to women, independent of age.

But, studies conducted by researchers have seen male sex hormone testosterone cases admitted for intensive care had revealed that it does play a vital role that correlates closely with the inflammatory cytokine.

Particularly in the case of low testosterone man, it becomes worst as the SARS-CoV-2 will trigger the human body to produce large amount of cytokines to storm and release more immune cells to aggressively fight against the pathogens.

But, the process becomes disoriented and misdirected firing among the immune cells, resulting a backlash against itself instead. Correlating with inflammatory cytokine responses lead to lethal outcome. This hyper-inflammatory condition itself gives rise to severe lung damage, acute respiratory distress syndrome (ARDS) and death.



People with low testosterone dampen the impacts on the virus, inducing more cytokine storm. As comparing to a healthy man with normal testosterone levels, cytokine storm will not be present and therefore he is more likely to survive the attack.

Simply put, testosterone plays an important key factor in the regulation of the body's immunity responses. Hence, if a low level testosterone patient is happened to leave unchecked on its immune system, it can be as

Coronavirus Closings

deadly upon infected. Therefore, virus-positive men with low testosterone level must put on alert.

On the contrary, testosterone functions not only help in producing bone tissues but also to maintain bone volume. If a person inhibits a low testosterone level, it will lead to a reduction in this bone tissues volume which makes the bones more susceptible to fractures as a result.

On the other hand, as age catches up in men and especially from the age of 50 onwards, their testosterone production tend to slow down gradually. This leads to other symptoms like reduction in their testicle size (nothing relating to cold temperatures) and the feeling of scrotum underneath will become softer than usual. The amount of semen can be reduced when ejaculation and often he will experience a significant lower sex drive too. In turn this will have cause a significant reduction in the mass of muscle loss affecting the person's functionality and strength of muscles development. He can easily feel tired and his body fat increases tremendously especially surrounding his breast areas due to a combination lack of exercises and immobile muscles in a long run.

Overall, he also experiences mood swings and is likely to experience lack of focus, irritability and depression behaviours.



Coronavirus Closings

Severe Safety Gear and Manpower Shortages

A large part of the world had proceeded to lockdown amid the calamities outbreak. All the nation leaders across the world are deeply worried and concerned by the steep sparks of the virus disease spread throughout the country and its fatalities that sweep away many lives on babies, young or old and upsetting many jobs losses, shortage of healthcare manpower, hospital beds, PPE accessories and equipment etc.

Hospitals are busy tackling the affected patients through rigorous testing and admission to wards to the extent of setting up extra tents and isolation facilities outside the hospital complex to running short of hospital beddings and wards.

China coronavirus: crowds and confusion on the hospital front lines of outbreak



In the hospital, doctors and nurses are rushing to incubate and rescue the infected patients in the midst of ventilators shortage and sadly in some critical circumstances, doctors have to make a tough decision to rescue either one of them between the young and the elderly patient.



Every medical workers are pleading for PPE gears. Due to the dire shortages of PPE supplies, many resort to improvise their protective coverings by turning to tapes for patching up their battered protective face masks, reusing their googles repeatedly time and again, wrapping their shoes over with some plastic bags in the lack of specialised coverings at hospitals. Some even resort to using diver snorkelling as a substitute to N95 mask even it does not offer any protection against viruses.

Coronavirus Closings

Hospital Protective Gown for COVID-19



Due to the confrontation of the viral epidemic and barely sufficient supply of protective equipment (PPE), frontline staff had been left vulnerable with some testing positive for the virus while others, sadly to say, had sacrificed their noble lives for others to live on.

Doctors were using improvised gears made from home-made face masks and nursing attires from trash bin bags, sounding off that the nationwide hospitals were suffering chronic shortages of safety gear and equipment such as masks, goggles, gowns and respirators etc. which they were very much needed at this moment to fight the bug. Some resorted to scouring from the hardware stores to get hold of any protective masks and googles as replacement for hospital needy use.



Coronavirus Closings



Coronavirus Closings

Many touching stories emerged online, sharing publicly on Instagram and Facebook social media by frontliners. Sad stories were revealed that many elderly patients volunteered to give up their lives for the young ones to survive, facing a chronic shortages of ventilator equipment in the hospital.



“I am so scared!” said one of the nurses who cried teary in front of the social media while others resigned said, “The chaos and the lack of protective equipment. The numbers of patients are escalating in waves and we are not getting the kind of support we need as we are exposing to patients with positive cases daily.”



Coronavirus Closings



The concept of the novel coronavirus test kit is similar to the way the pregnancy test kit works except that in coronavirus, the test paper strip is coated with a monoclonal antibodies that is bonded with some viral proteins dipping into a certain solution containing the patient sample nanoparticles. The result will then make known in 20 minutes later when a coloured indicator is formed onto the paper strip which will then decide whether the infection carries a positive or negative sign to coronavirus.

All age groups can get infected except the weaker and sickening people with chronic heart conditions are more vulnerable and can easily be succumbing to attacks by sudden breathing difficulties once contracted the virus infection. It ever happened to some cases where seniors just dropped dead on the streets before medical emergency arrived.



Coronavirus Closings

Those who are weak and underlying chronic heart problems are vulnerable



Adding to the woes, infected patients can also be asymptomatic that may not show any symptoms and appear looking fine despite infecting by the virus. Many virus clusters are added. I am not kidding, this is serious business. The people are staying indoors now, and a large part of the world are now stamping on lockdown for months, hoping that the curb situation can constitute a reversal chain and reduce some infection cases. People of all ages are wearing mask, and life still goes on. While older people face the highest risk infections, all age groups can also get sick if contracted the virus. Everyone must take precautions and remember to wash hands with soap and water frequently.

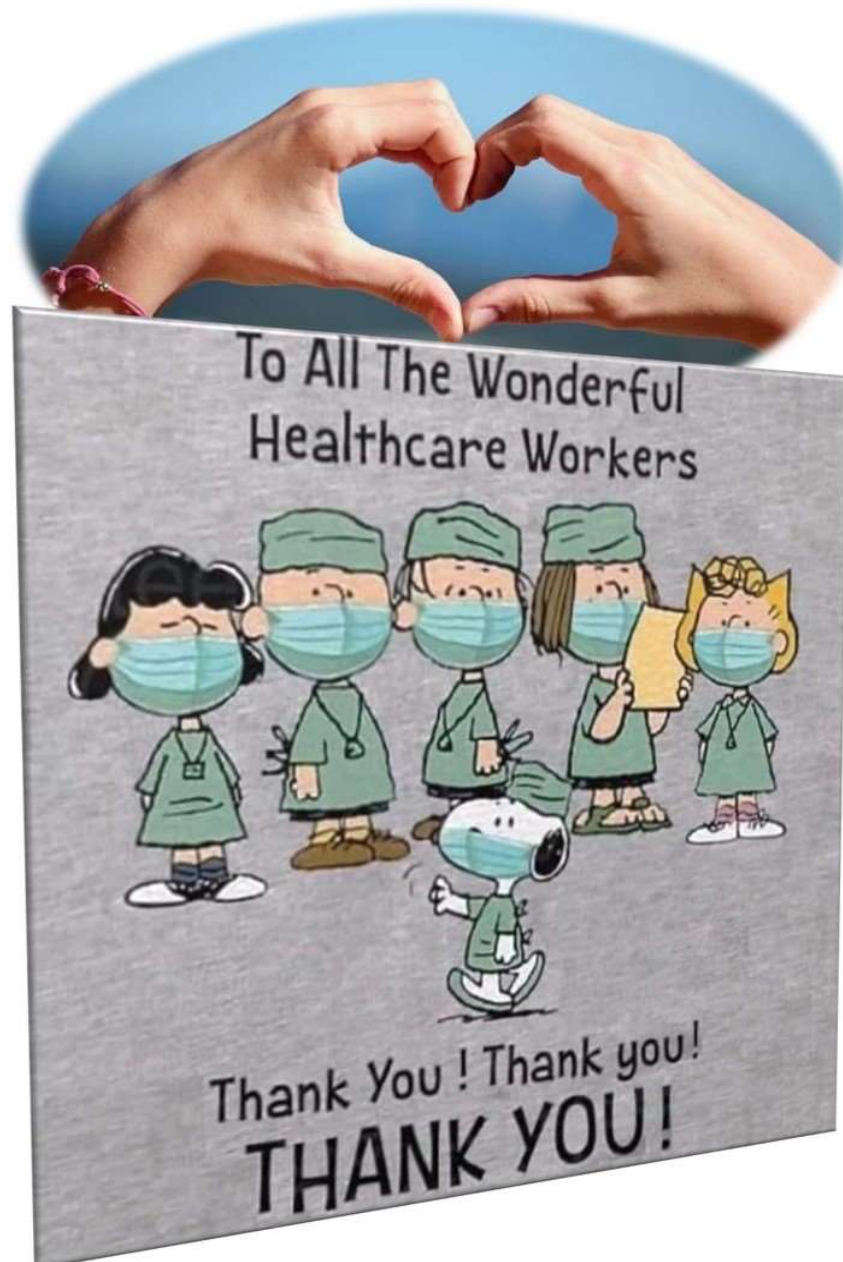
Let us do our part and together we can curb it by stemming out the spread of the coronavirus!



Coronavirus Closings

During this global crisis, people over the world are expressing their heartfelt best wishes and a BIG thank you to all our wonderful frontline healthcare workers as they battle each and every day to keep us safe so that this will be over and we can all enjoy our “normal” life again.

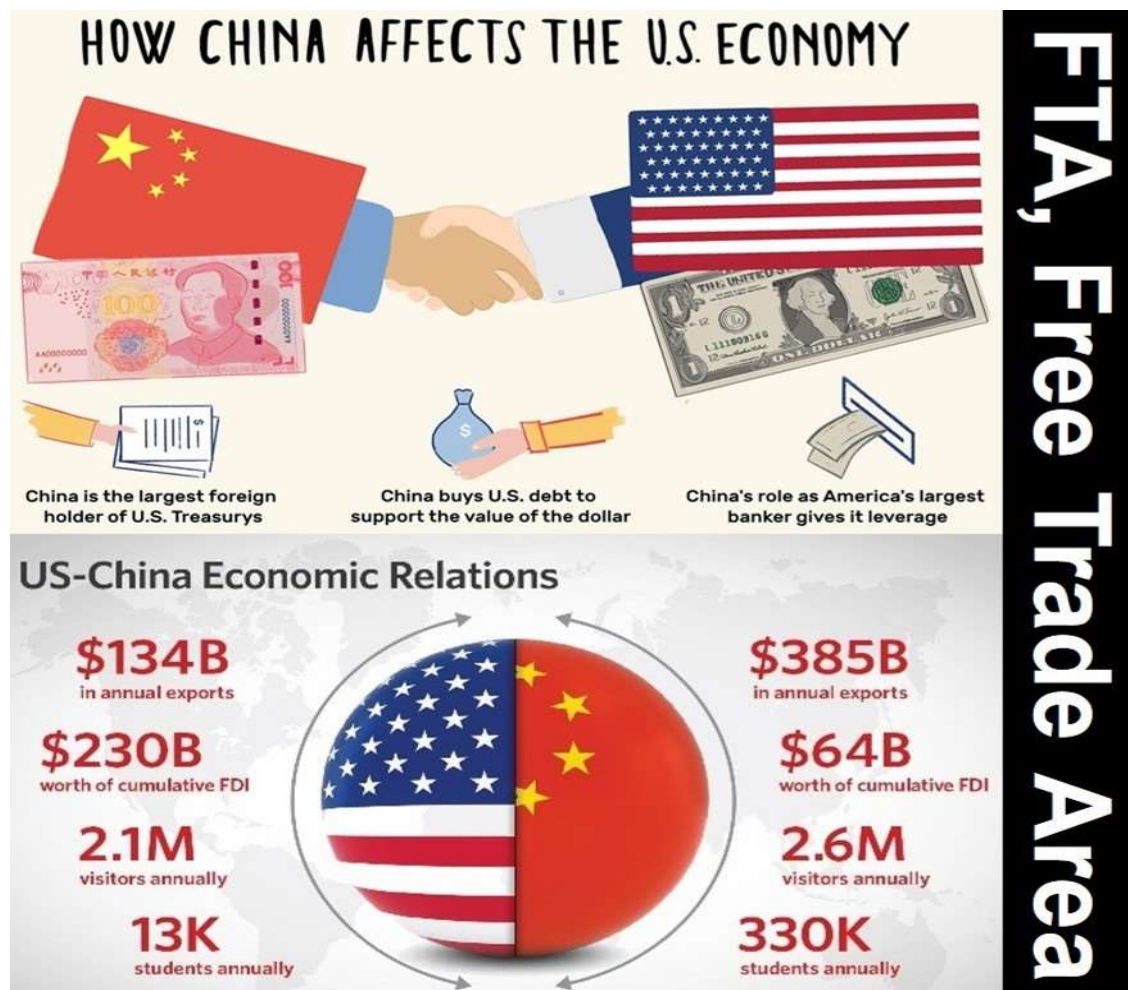
A massive thank you to all doctors, nurses, paramedics (including volunteers) for the carrying out your duties in line with a sense of responsibility, sympathy, understanding, dedication, selflessness and finally making heart-breaking sacrifices for us to fight the virus! A BIG THANK YOU!!!



Coronavirus Closings

Trust Eroded Among Nation Leaders

The coronavirus pandemics lead to the erosion of trust among the nation leaders amidst the world misinformation blitz. Diplomatic relationships among super-state nations will be badly affected if leaders across the globe are not handling the cause of the pandemic at a rational and amicably way of resolving the disputes on the virus origin over the scientific findings rather on assumption basis. If the coronavirus pandemic turns into a NAFTA trade war, trade globalisation for businesses and people all over the world will be greatly affected as trades are governed and bound by country foreign policies. Stock markets will be badly shaken by trade wars fear and tumbled down as a result. Followed by, rising of unemployment and sky rocketing on food pricing will be impacted.



The FTA, Free Trade Area, a treaty pact agreement recognized by international law allows a freely trade movement between countries that have mutually agreed upon to remove trade barriers on its import and

Coronavirus Closings

export of goods and services. Under FTA policy, goods and services are allowed to be bought and sold across borders subjected to the agreement to reduce trade barriers with little or no government intervention on import quotas and tariffs.



Both exporters and investors alike also have mutual benefits entitled to tariff concessions, preferential access to certain sectors, faster entry into markets penetration and Intellectual Property protection clauses.

Trading Partners

Free Trade Globalisation
Pact Agreement

FREE TRADE AGREEMENTS
WHY TRADE MATTERS

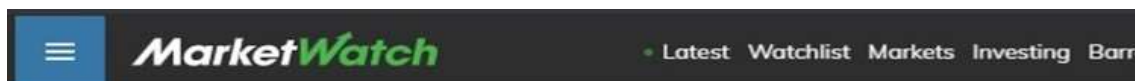
NAFTA
ASEAN
European Free Trade Association
EU-Canada Free Trade Agreement
EU-Japanese Free Trade Agreement
US-South Korea Free Trade Agreement
EU-VIETNAM
EU-NEW ZEALAND Trade Agreement
EU-AUSTRALIA Trade Agreement
EU-SINGAPORE
EU-MEXICO trade agreement
EU-Mercosur trade agreement

Mutual Benefits

Coronavirus Closings

China, Wuhan Bans Wild Animals Consumption

Published by MarketWatch news on 23 May 2020, China implemented a ban on wild animals' consumption to its exotic meat at wet markets trading at Wuhan, the epicentre of the Chinese coronavirus outbreak in the province of Hubei. Specifically on the wild animals such as lion, tiger, snake, peacock and pangolin etc. are taken off from the menu after the municipal government in Wuhan had officially made this announcement that the new legislation came into immediate effect banning breeding, hunting and consumption of these wild animals as part of the national push as many thought the sale and consumption of exotic meats in wet markets has spawned diseases. This new law will be in effect for five years, and thereafter it will be reviewed again.



Lion, bat and pangolin off the menu as Chinese city of Wuhan bans consumption of wild animals

By Rupert Steiner

78

Consumption of wild animals in Wuhan been banned weeks after Dr. Anthony Fauci called on China to scrap its wet markets



A white-bellied pangolin which was rescued from local animal traffickers is seen at the Uganda Wildlife Authority (UWA) office in Kampala, Uganda, on April 9, 2020.
AFP via Getty Images

Coronavirus Closings

Wuhan Lab Coronavirus Intelligence Reveals

Published on the Chinese State media, the Chinese laboratories had conducted an intensive research on all the deadly bat viruses from the past until the present times. There is no evidence of showing any accidental release of such coronavirus could have come from any of the laboratories.

From the first emerged day of the novel coronavirus, the Chinese virology institute had detected so far three live bat virus strains on its premises, but none of these virus genome strains match the killer virus strain.

Scientists still believed that the killer virus until to-date originated in bats. Thereafter, it was transmitted to humans via another animal species for instance in snakes, pangolins etc. It is more likely come from Mother Nature instead.

The research teams had been specialising and conducting intensive research on bats and their diseases ever since 2004 when Sars-CoV1 outbreaks nearly two decades ago. So to speak, from the years of experience gained through the bats research, the experts claim to have the total understanding on how this killer virus's entire genome strains work which explain the reason why they refuted the claims made by the US President Trump and the others that the virus was leaked from the facility were just purely fabrication indeed.



The lab has said it received samples of the then-unknown virus on Dec 30, 2019. PHOTO: AFP

Coronavirus Closings

The Virus Battling of the Poor Nation Sickness

Some predicted that there will be a future infection spread in Africa and other poorer regions where their healthcare systems are less developed and in need of funding support and medical supplies in the wake of the virus pandemic threats.

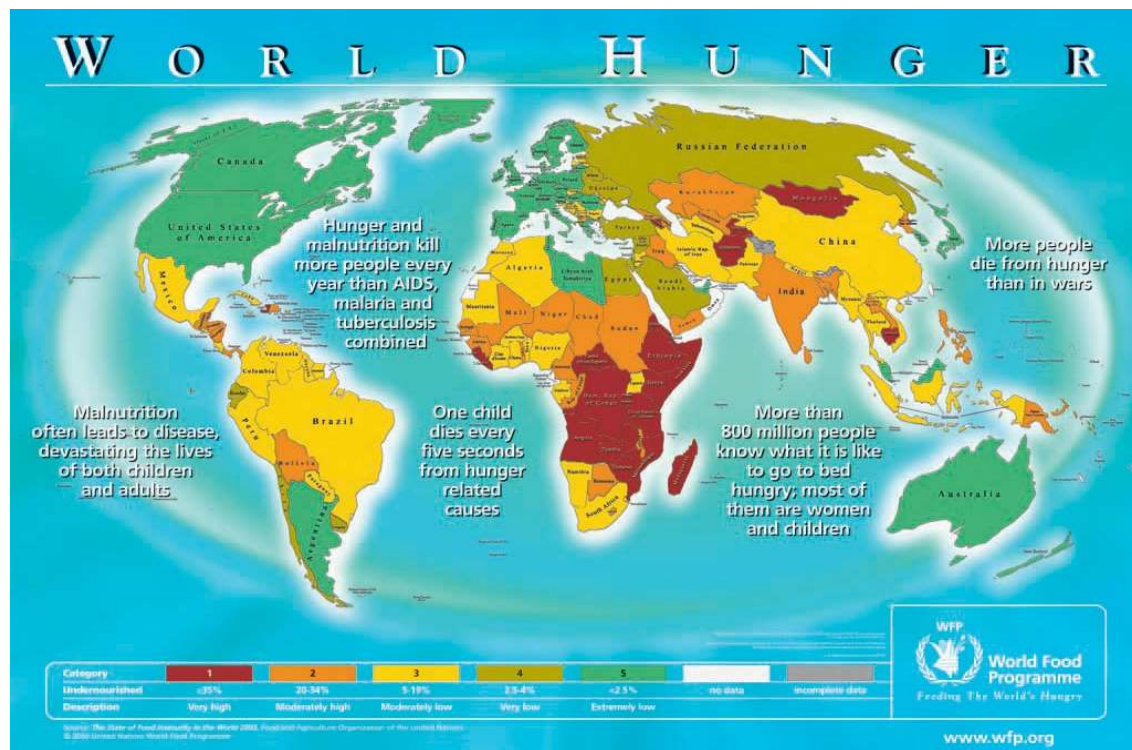
Many nations depend on the poor nations like Africa, Yemen, South Sudan, Venezuela, Zimbabwe, Cameroon, Afghanistan, Haiti, Nigeria etc. to grow agricultures and crops for global export and depriving them this financial support and medical supplies would dangerously see an exponentially spiking in the virus infections across the continents.



Food Shortages Expected to Affect One Billion People

By then, the whole world will face severe scarcity of food shortages and become more chaotic and erratic situations than anybody can imagine.

Prices of food stuffs and groceries across the globe will skyrocket, resulting in panic fears over food crisis everywhere in the world.



[illegible]

Across the nation, consumer spending is crashing down from going out to shop and dine as more are cautious on their shoestring budget now. Already, the layoffs have started and companies are axing on workers as businesses drop and incurring losses, and hardly sustainable its operations.



1. Travel and Tourism

2. Retailing and eCommerce

COVID-19 | Thomas Hobbes Moore & Thomas Heng

Coronavirus Closings

Shopping malls and all other non-essential services are mandatory shutting down in response to the pandemic.

Only supermarket stores, markets and essential services are allowed to



operate but social distancing measures must strictly be followed as there are enforcement officers walking on the ground to take stern action against individuals, business owners or entities who intentionally flout the orders and requirements.

Nevertheless, eCommerce digital businesses on the other hand are thriving as more people are now staying at home placing more online orders for groceries and food delivering during lockdown period.

1. Financial and Banking

Newly start-up companies have difficulties seeking funds from Venture Capitalist, bringing fewer investments in the stock market crash as the pandemic poses a biggest threat to the global economy and financial markets. Credit landing facility and mortgage loan are being tightened by banks in anticipating for the worst economy ahead. U.S. Federal Reserve has implemented a deep cut in interest rates across the world to help and stabilise the world economy market in effect of the global depression that had caused job losses and business unsustainability.

2. Hyperlocal Marketing Services

Hyperlocal Delivery Company for instance Deliveroo and GrabFood are thriving during lockdown. They are quick to react to the market downturn and are offering options for recipients to either choose a contact-less delivery or have the items delivered directly to the doorstep by their riders.

Doorstep delivery services for food, medicine, grocery, and packages to name a few are gaining better ground in the wake of the pandemic crisis.

3. Recreation

Entertainment centers like movie theatres, pubs and art galleries are shutting down and not allowed to operate until further notice by the authorities due to large social gatherings that can lead to easy spreading of the coronavirus transmission within the social community.

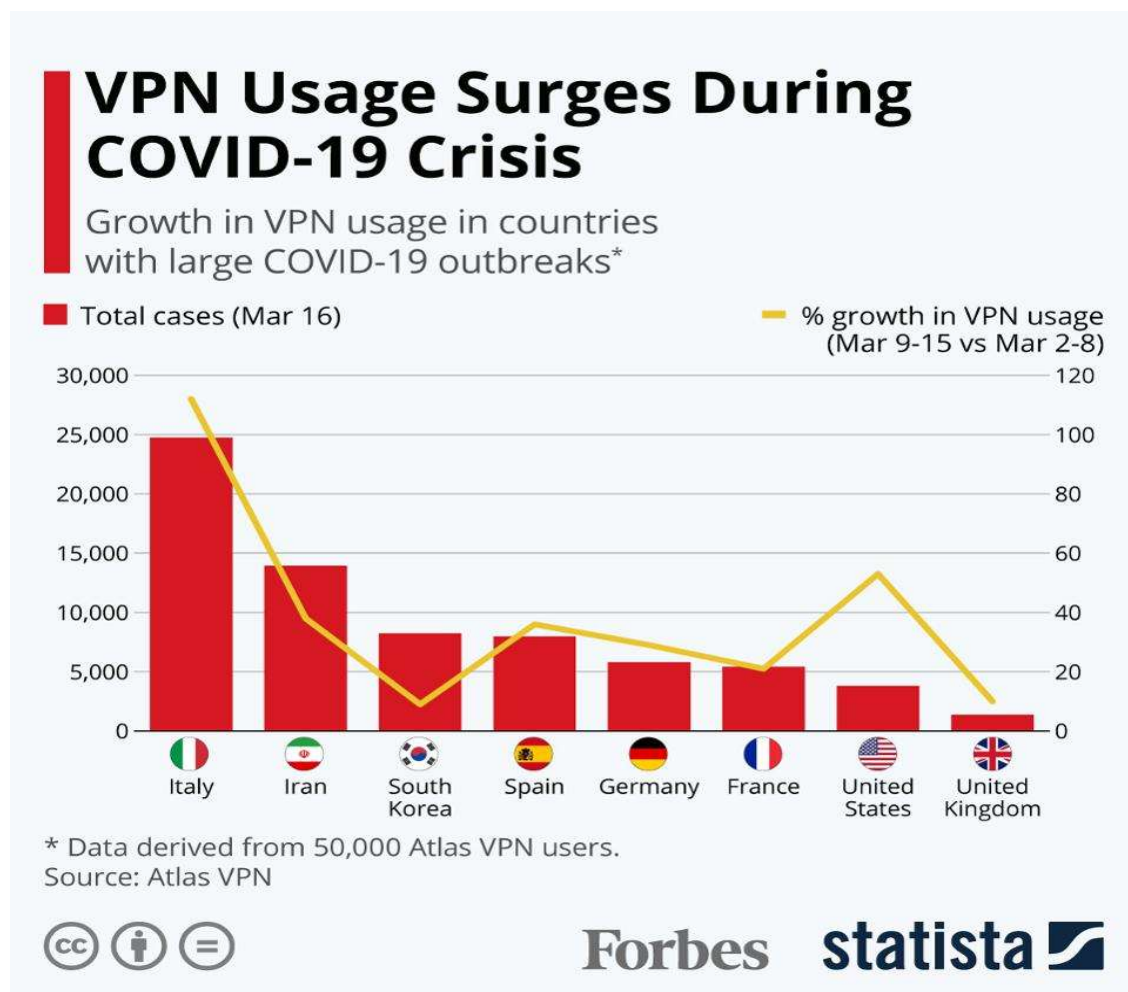
Coronavirus Closings

4. Education

Lesser or simply none of the overseas students are willing to travel out of their country to pursue their studies elsewhere.

Zoom, a modern enterprise video communication solution using cloud technology, saw a surge of users across the globe for business and school telecommuting as many working people are adhering to staying at home orders and school are moving children to home based learning while remaining safe. VPN, virtual private network, routing from internet broadband saw an increasing connectivity globally by statutory board.

Everybody understands its importance and takes the stay-home orders seriously to be a responsible citizen in doing their part to help the nation as a whole to slow down the virus infections so that life can quickly return back to normalcy to resume back the workforce and business functions.



Coronavirus Closings

The effect of lockdown has virtually brought a standstill to major and small business owners globally such as aviation, tourism and F&B sectors, and other non-essential services. The following affected industries are:

HOSPITALITY, TOURISM

Industry Size

Hotels - ₹37,000-39,000 cr

Tourism - ₹18 lakh cr

Total Employees: 40 million

CORONA IMPACT

- 1) Tourism body expects **1.2 million** direct job losses
- 2) Ancillary industries like logistics will also take a severe hit
- 3) Hotelivate estimates revenue loss at \$1.3-1.55 billion (₹9,600-11,400 cr) in short term, **27-32% drop** over last year
- 4) 15-25% casual/contract employees to suffer first blow
- 5) Indians make up 10% of global cruise liner staff; most may lose jobs

Industry View: Achin Khanna, managing partner, Hotelivate: A large mass of skilled manpower will be scrounging for opportunities... that is a serious crisis

RESTAURANTS

Industry Size: ₹4.2 lakh crore

Total Employees: 7.3 million

CORONA IMPACT

- 1) **15-20%** job losses likely (as of now)
- 2) Impact could be bigger

Industry View: Anurag Katliar, president, NRAI: The outbreak has severely impacted F&B industry... this business has high fixed operating costs

AVIATION

Industry Size: ₹2.22 lakh cr

Total Employees: 350,000

CORONA IMPACT

- 1) Consultant Capa estimates **\$600 m** (₹4,200 cr) loss in April-June for private carriers
- 2) If crisis continues, **150 aircraft** may be grounded
- 3) So far, no talk of job losses, but pressure will increase if traffic remains thin
- 4) AI has cut allowances, layover times
- 5) GoAir has asked employees to go on rotational leave without pay

Industry View: SK Singh, ED (finance), Air India: Keeping in view company financials... need to contain costs... globally, airlines are taking steps...

RETAIL

Industry Size: ₹59 lakh crore

Total Employees: 46 million

CORONA IMPACT

- 1) Severe setback if crisis persists for three months
- 2) **11 million** (25%) jobs may be lost

Industry View: Kumar Rajagopalan, CEO, Retailers Association of India: Without govt help, millions may lose jobs

25M
Estimated Job Losses Globally
Source: UN

REAL ESTATE

Industry size: ₹13.32 lakh cr

2nd-largest employer after agri

CORONA IMPACT

- 1) Economic slump had already wiped away nearly 20% jobs
- 2) Outbreak will make it worse, leading to almost **35% job losses**

Industry View: Niranjana Hiranandani, president (national), Naredco: Outbreak will lead to volatility and turn positive net-worth firms into NPAs. This will lead to value erosion and job losses

RIDE-HAILING

Industry Size: ₹11.84 lakh cr

Total Employees: 5 m driver-partners (largely Ola, Uber)

CORONA IMPACT

- 1) Demand down by **40-50%**
- 2) Driver-partners' earnings to be hit

Industry View: Pravin Agarwala, cofounder of BetterPlace: Though a few companies have agreed to give the basic payout - around ₹12,000-₹14,000 a mth - most drivers rely heavily on incentives

ONLINE FOOD DELIVERY

Industry Size: ₹48,000 crore

Total Employees: 500,000 (Flexi-jobs), as per internal estimates by Swiggy & Zomato

CORONA IMPACT

- 1) No immediate job loss
- 2) Income has **dipped 20%** on average for delivery partners

Industry View: Harsha Razdan, partner, KPMG India: Consumption will get curtailed or reduced. Firms that have equipped staff with remote working resources will be better off

ECOMMERCE

Industry Size: ₹22.7 lakh cr

(as per RedSeer Consulting)

Total Employees: 6.1 m (as per Indian Staffing Federation)

CORONA IMPACT

- 1) Online shopping has gone up, so no immediate impact
- 2) If crisis persists and demand sinks, **20-30% job losses** likely

Industry View: Suchita Dutta, ED, Indian Staffing Federation: No one has plans to downsize immediately... organisations are still trying to assess the situation

CINEMA, ENTERTAINMENT

Industry Size: ₹1.82 lakh cr

Total Employees: 7-8 m

CORONA IMPACT

- 1) Contract, freelance employees most vulnerable
- 2) No job cuts being discussed yet
- 3) Pressure to mount if crisis continues

Industry View: Siddharth Jain, owner & director, Inox Leisure: If this continues into April and May, I shudder to even think about it. Rationalisation of salaries or a haircut at senior level may be needed

TEMP STAFFING

Industry Size: ₹44,400 crore

Total Employees: 4.1 million in 2019 (as per Indian Staffing Federation)

CORONA IMPACT

- 1) Face-to-face interviews out, online in
- 2) Tech talent demand freezing up
- 3) Those who can't work from home to be hit
- 4) **Next 2 quarters critical**

Industry View: Manish Sabharwal, chairman, TeamLease: Impact can't be modelled. Emotional contagion will have a much longer tail than the virus

Coronavirus Closings

Negative Impact on Property Market

It definitely came in at the worst time ever. Trade had crippled ever since the crisis flipped our lives upside down and causing panic fears. Previously before that, house prices in the property market had lost ground and were likely to reach the new highest peak shortly by the end of year 2020. Then, out of nowhere the coronavirus lashed in and started wreaking havoc worldwide, destroying everything and leaving a huge dent on every country economy.

Initially, the housing prices were holding up steadily, but because of the panic fears in people's mind that going to a showroom or viewing a resale house could easily catch the fatal infectious disease, it eventually brought all the property transaction volumes down to a historically low level. This prompted many to stay away from it and adopting a wait-and-see approach while doomsayers are pretty much worrying of job losses, business closures and the spinning of the world economy into recession crisis. Now it is entirely a changed world taking over by the novel coronavirus pandemic that is leading the world on how it permanently changes the way we live, work and invest.



Coronavirus Closings

The rapid rising rate of unemployment is mainly due to many businesses closure, retail sectors being dragged down by low consumer confidence level, imminent recession ahead, banking sectors begin to be more prudent and reluctant to lend, imposing some changes into bank lending practices, all of which have contributed to a spiral downward trends on the property market outlook.

According to the Global Financial Review, the world economy is expected to go into recession and economic growth is forecasting that it is unlikely to see any rebound from the impact caused until the end of 2021. As projected, the official interest rates remain at the current historical lows for the next 3 years. Only when unemployment rate has scaled down and inflations pick up, the federal interest rates will then rise in pace.

The government had been releasing its fiscal stimulus packages to help keeping the working people employed. More will be done if the situation gets worsen in the next few months.



Generally, the impact on the property values depend on how long it takes to contain the novel coronavirus and how severed the damages had been done across the global economies scale. The worst affected property in the market is usually the more expensive and exclusive ones that will suffer first in line with the stock market crash. Bank credit lending will be tightened when more local residents suffer from job losses as many businesses are forced to close down due to no consumer spending power in the market.

Coronavirus Closings

Global Economy Worse Nightmare

If you are trying to sell off your property recently or going to sell it now, you may end up getting only a handful of buyers who may or may not keen to view your property. But as time passes by, the viewers are getting lesser and lesser or even no viewing at all in the sequence months.



There are a couple of reasons explaining why either party, the seller or the buyers, may find it inconvenient to invest their time during which they needed to postpone or cancel their last minute house viewings:

1. The seller is freaking out about the incoming buyers' health conditions who are viewing their house later.
2. Likewise, the buyers are also freaking out about entering the seller house, worrying about whether any of seller's family members get in contact with the virus or whether any other buyers before them got the virus or not.
3. When the intended property to view is at or near the virus cluster area, the sellers will want to cancel their viewings once he finds out the news from the social group or published on the local newspaper. Anywhere with even a hint of the coronavirus infection cases nearby is a no-go decision.



Coronavirus Closings

4. Most importantly, the buyers also show concern that during the house inspection at the seller house, they may touch contaminated surface arising from the door's knobs and handles, cabinet closets, windows, kitchen area, handrail, toilet bowl etc. Worse still, they may even show fear that if any of the house's member is sick, coughing or sneezing without putting on any face mask, they are worried that they may get infected too owing to the close proximity social distance apart.



During this pandemic, everybody is concerning on his own health risk and nobody trusts anybody.

Social responsibility is the key to personal hygiene protection.

It is still “Better be safe than sorry!”

In contrast, the sellers have their worries too.

They dislike multiple group of buyers and property agents dropping by their house, and leave all their filthy germs behind on their sofa, bedrooms, kitchen, toilet bathroom, water taps etc. for their own family members to catch and be infected on the contaminated surface area.

All these concerns will definitely make the sellers think twice and be more worried for their family health risk. Hence, many reject all their house viewings at the last minute appointment until the pandemic crisis is over.

Coronavirus Closings

Unless under the circumstances where buyers are willing to buy the house without conducting any viewing inside. This may sound a possible arrangement but practically no buyer will take up such arrangement without stepping in and checking the house conditions.



Ok, we finished viewing the house and are pretty close enough to view it from the outside. Viewing is completed and we can now proceed back to our car. That will be the expected answer you are going to get from the buyers without showing any tell-tale sign that they are keen in the house or not.

In contrast, resale property market as compared to showflat viewings carry an even higher risk factors.

Unlike showflat, a resale home is actually where people currently lived in. People and pets may sit and lie on the couch, sleep on the beds, use the toilets frequently, leaving behind the contaminated surfaces if they are infected.

Houses that are near to the airport and hospital vicinity areas are considering the worst hit with no or lesser viewers expected.

Trying to sell a house is hard. But, trying to sell a house in the middle of a crisis is simply a nightmare, and an impossible mission indeed! Many housing agents can hardly find any seller or buyer at this time.

Coronavirus Closings

Property Market Outlook



The coronavirus impacts have spiralled the sale transaction volumes, affecting the entire resale market and also the showflat sales.

Commercial and residential property investors alike are adopting a wait-and-see approach while keeping abreast with the world news on the extensive implications of the pandemic's scale of damages incurred on the world economies before plunging their interest back into the real estate market again.

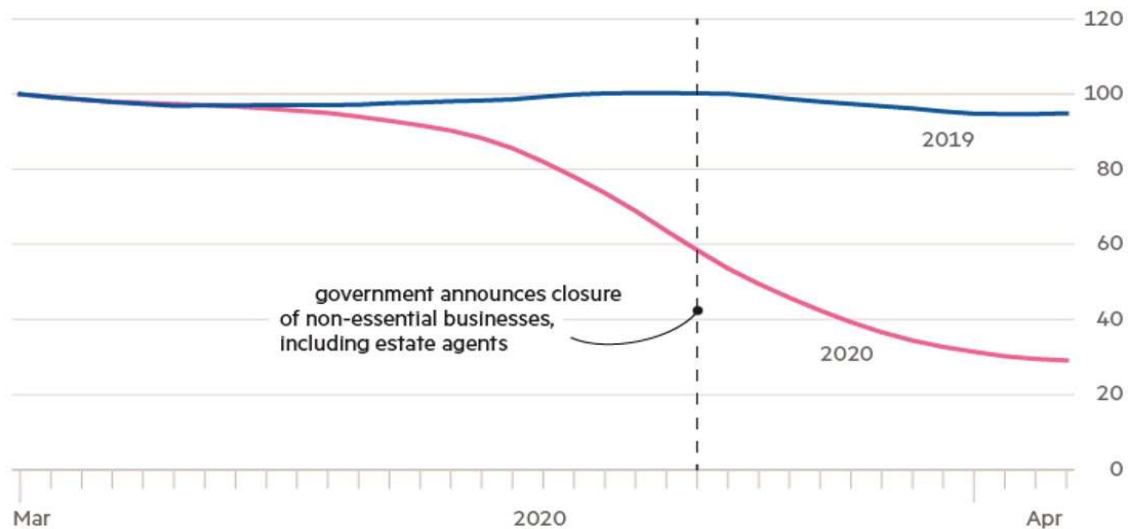
Coupled with lowest tourism numbers and cutting down flights by airlines, fewer foreign investors are coming in to buy the exclusive properties. Landlords also see lesser demand for their properties in-rent advertised on local papers and social media platforms. Simply put, property market now moves into cold storage.

The lockdown measures have totally putting a stop across the country and barring all property agents, prospective buyers and valuers from making house visits. In addition, any sale closings now may be parked with unforeseen circumstances later on, arising from various practical and financial obstacles that can block its path due to sudden job loss, confirmed deaths and infections link cases, putting a hold on the property purchase as everyone will be starting to worry about their rice bowl in the near future after the coronavirus crisis is over.

Coronavirus Closings

Housing Demand Index (Sales Market)

From 1 March 2020 compared to last year (100=March 1 2020)



On the contrary, more shop tenants are also likely to default on their rents or even closing down their businesses entirely due to poor or negligible crowd at all. As for those who had already tenanted, they will most likely offer lower rent than previously for fear of getting more frequent delays and more rent defaulters on the rise as economy get a hit badly and loss of jobs creation due to closure of businesses amid the crisis.



Coronavirus Closings

If the outbreak continues to intensify further down the road, a situation that is similar to the previous SARS-like crisis situation in the year 2003, then there will be a major market corrections affecting all sectors across the country that will drastically be putting an immense pressure in the price growth moving into a negative region.

Besides causing a downturn to the commercial properties such as F&B, retail spaces and hotel industries, even hawker centres will not be spared. Many will be avoiding dining out as more people rather cook and eat in than taking the risk to eat out.

Generally, the overall situation in the real estate industry tends to give rise to some dip in its sale transaction volume output and deep discounts for the purchase of the property as sellers and developers wanted to quickly sell it for fear of losing the potential buyer and the market worsen even more.

There is a saying, “When there is a crisis, an opportunity comes too!” And why not?

The coronavirus outbreak may jolly turn into a blessing in disguise to some of the genuine home buyers as the cooling measures can soften the whole private market launches, making it more appealing and affordable pricing to the prospective buyers who are planning to purchase their private dream home now.

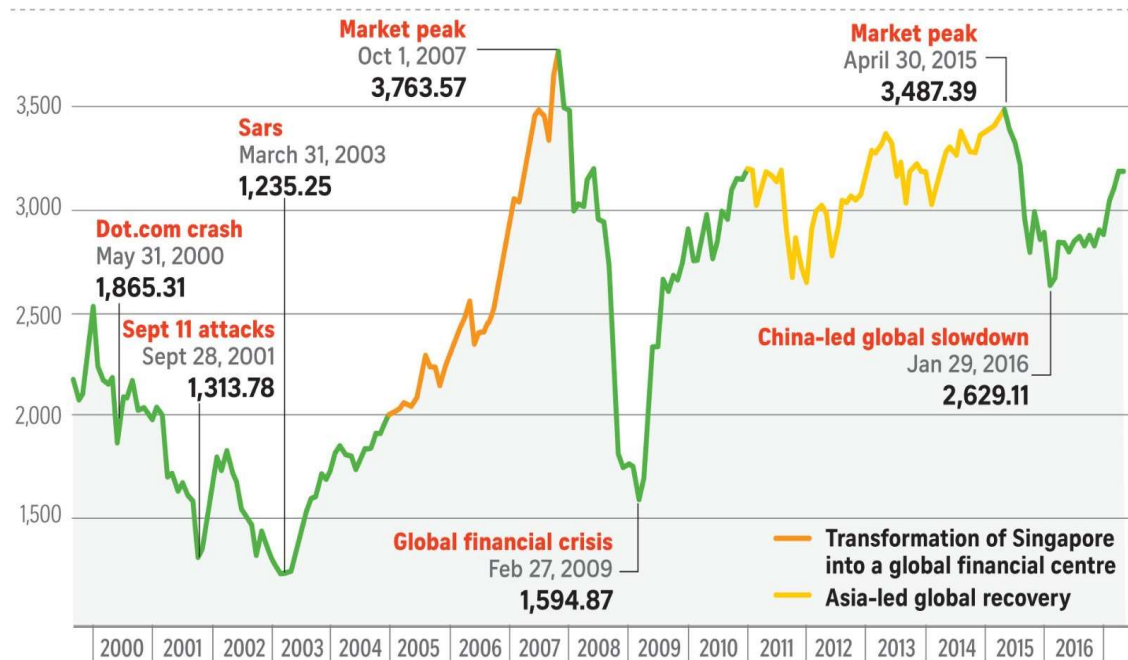


Coronavirus Closings

Fears on coronavirus crisis can hinder the recovery progress of housing prices globally:

#Coronavirus - Where has it spread?				
Last updated: 02 March 2020				
1. Afghanistan	13. Denmark	26. Indonesia	39. Nepal	52. Singapore
2. Algeria	14. Dominican Republic	27. Iraq	40. Netherlands	53. South Korea
3. Australia	15. Ecuador	28. Iran	41. New Zealand	54. Spain
4. Austria	16. Egypt	29. Israel	42. Nigeria	55. Sri Lanka
5. Azerbaijan	17. Estonia	30. Italy	43. North Macedonia	56. Sweden
6. Bahrain	18. Finland	31. Japan	44. Norway	57. Switzerland
7. Belgium	19. France	32. Kuwait	45. Oman	58. Taiwan
8. Brazil	20. Georgia	33. Lebanon	46. Pakistan	59. Thailand
9. Cambodia	21. Germany	34. Lithuania	47. The Philippines	60. UAE
10. Canada	22. Greece	35. Luxembourg	48. Qatar	61. UK
11. China	23. Hong Kong	36. Macau	49. Romania	62. US
12. Croatia	24. Iceland	37. Malaysia	50. Russia	63. Vietnam
13. Czech Republic	25. India	38. Mexico	51. San Marino	

STI performance (Aug 31, 1999 – April 28, 2017)



NOTE: Data as at month end.
To facilitate historical analysis of the revamped STI in 2008, a re-created history going back to Aug 31, 1999, was generated.

Source: BLOOMBERG SUNDAY TIMES GRAPHICS

Coronavirus Closings

Retail property landlords are likely taking a hard blow on its rents the whole coming year of crisis as consumer spending is now the lowest level, deterring shoppers from frequenting malls and restaurants in panic fears of their own health risks of contracting the disease.

CapitaLand to inform tenants of rental relief packages by end-March



Tatiana Mohamad Rosli
© Mar 03, 2020 06:00 am



CapitaLand, which operates Singapore's largest mall network with 18 under its management, is in the process of reviewing 3,500 leases and aims to inform all tenants of their respective rental relief packages by end-March.

The retail giant said it has granted rental rebates of 20 per cent to 30 per cent over two months as an interim relief to eligible tenants in its downtown malls, which have been more affected by the coronavirus outbreak.



KILLER VIRUS CHAOS SPREAD

As of February 29, 69 people in the US have been diagnosed with COVID-19 across seven states. In Washington state, a man became the first person in the country to die from the virus.



Coronavirus Closings

The panic fears put an emergency brakes on the real estate stocks amidst market sell-off



Real estate stocks tumbled as coronavirus fears sent markets into a tailspin. (Credit: iStock)

Real estate in hotels and retail industry have been becoming the worst stock performers as comparing to the other sectors in the industry. They will be the hardest hit in this miserable year 2020 that can be seen on REITs, a real estate investment trusts, whose losses will be accumulating and accelerating over time...

Just last week incident, we saw their stock shares plummeting amid the panic fears, leading many shares selloff before the end of the day.

Comparing to a decade ago, this year we saw the REITs performing at its worse stock counter with fundamentals and earnings all went down steeply as compared to other equity stock performances.

The fears also lead to the property mortgage rates into a spiral spin downward as investors are fleeing to other safe havens stocks while pushing the housing mortgage rates to a near historical lows.

The interest rates are low and can go down further too. The prevailing low interest rate is attractively a pull factor to own a home easier now either as an owner occupier or a property investor who are cash rich.

Coronavirus Closings

Wobbly Good News to Homeowners amid coronavirus Panic Fears



A striking drop in mortgage rates is definitely a great welcome to the prospective homebuyers, giving them an opportunity to have the affordability to purchase the house now that they have been eyeing for. Furthermore, it also gives them a lower monthly payments who can now refinance their housing loan instalments within their expected budget.

Last week, stocks rallied on Monday with expectations that the U.S. Federal Reserve is lowering down the interest rates in order to give a boost to the economy. The rippling effects generates globally on the real estate mortgage rates to be driven down to a near all-time lows.

For a couple who had been cautious on their budget strings a year ago is definitely a wonderful piece of news as the current time presents the best opportunity to own a house that they have been putting off on-hold for quite some time.

U.S. Mortgage Rates Have Been Falling

Average rates for 30-year fixed-rate mortgages have dropped by about 1 percentage point since March 2018.



Source: Freddie Mac

Credit: Connie Hanzhang Jin/NPR

The impact on the property values are inter-linked to the quarantine measures that can affect income, employment, borrowing capacity and credit availability of the person trying to obtain a loan from the bank.

Coronavirus Closings

Coronavirus Crisis Respond Calls with Technology

AI Robotics Community

In the face of the pandemic, advanced countries like Japan, China and Singapore have been turning to AI robotics to adopt surveillance technologies in an action call for the robotics community to coronavirus fears of human transmission.

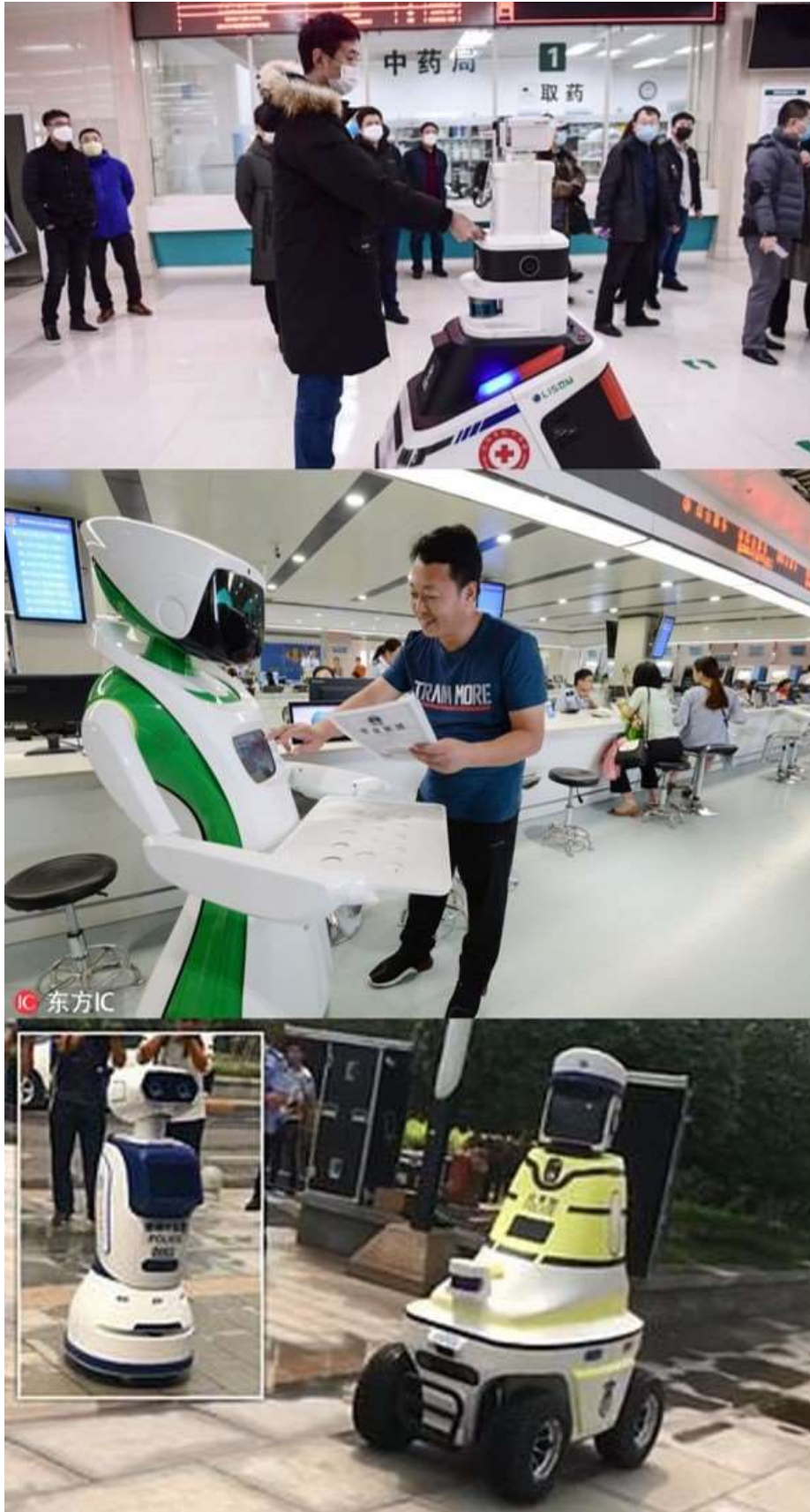
Developed by the Chinese Academy of Sciences, these robots are deployed in places like hospitals to remotely help the nurses in collecting swabs from the patient for swab testing, despatching medicines, food and documents to the doorstep where patients are being kept inside an isolated room during self-isolating period. The robots can self-manage to enter the lift, knock on the patient room and call the patient out to open the door.

As a matter of facts, more researches in the robotics community provides robotics challenges in the areas for disasters, logistics, drones and infectious diseases. For examples in research areas of interest in:

1. Surgical robotics
2. Rehabilitation and assistive robots
3. Hospital and laboratory automation process



Coronavirus Closings



Robotics Community

Coronavirus Closings



Coronavirus Closings



Coronavirus Closings



Adopting Surveillance Technologies



Coronavirus Closings

of tracking symptomatic and asymptomatic people with virus infections across the country so that multimodal information can be gathered, collated centrally and systematized on an active catalog system, and send all the up-to-date information to Johns Hopkins University so that scientists, infectious experts and government agency can access these data at a much shorter and faster accessing rate time.



Coronavirus Closings

By implementing such surveillance technology, one can expect loss of personal data privacy to be breached since the system can exploit these information at will and does its matching algorithms and extracting individual and other photos of his from multiple social media platforms.

This lead to a question of security breaches on personal privacy data carrying out on both accidental and intentional causes.

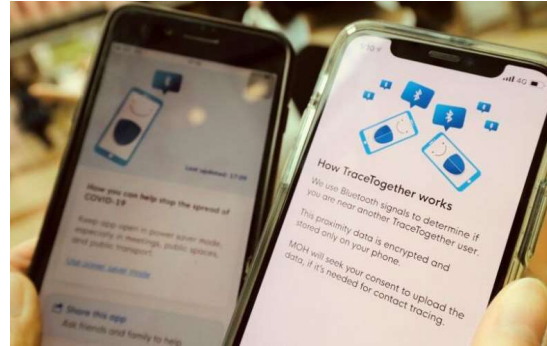
As such, policing of personal data integrity and its privacy need to be thoroughly debated before reaching the conclusive verdict of deploying the use of surveillance technology by police agencies in the first place.



Coronavirus Closings

Contact-Tracing Apk (TraceTogether): Singapore

Singapore government released the **TraceTogether** apk, an open-sourced code's contact-tracing app developed by the Government Technology Agency (GovTech), is freely available to the international community to help contain the coronavirus situation under control.



TraceTogether uses Bluetooth technology to find out **who** have come into contact with you and **not the places** where you had been to.

To date, more than 700,000 downloads worldwide had been installed on individual smartphones via the Android Google PlayStore or Apple IOS AppStore. The apk will be deactivated once the pandemic crisis is over.



For TraceTogether app to work, the Bluetooth function setting on the smartphone needs to turn on first.

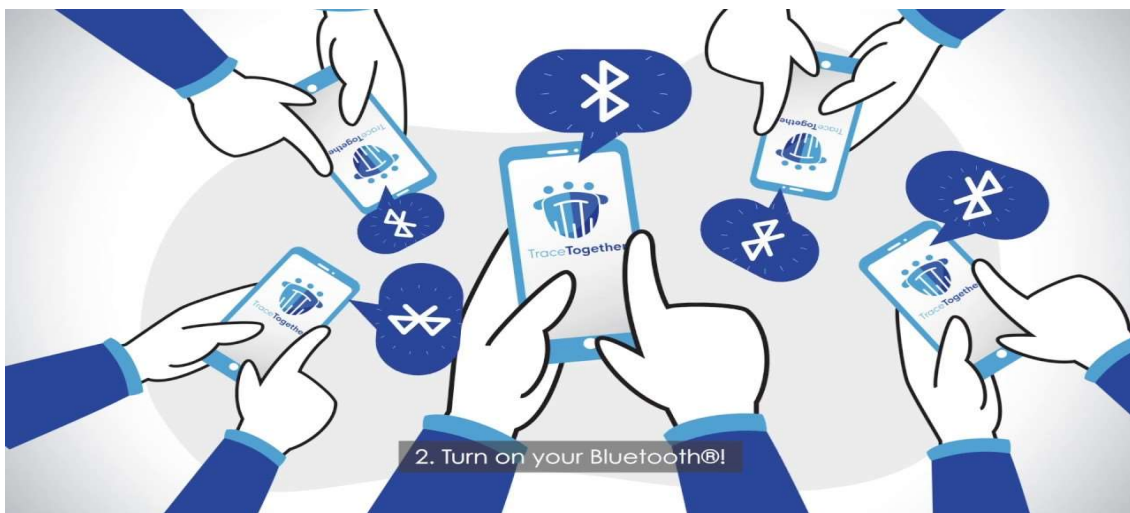


Coronavirus Closings

To aid contact tracing, the Bluetooth signal is a must and it will automatically help the **contact tracers** to quickly call you once you are in close proximity range of 2m (6 feet) apart from the novel coronavirus patient. All the encrypted Bluetooth proximity data are stored inside the individual smartphone. This app comes in handy for people who tend to forget or cannot remember whom they are in near contact with.



The infected coronavirus patient is given a verification code by the official contact tracers. If the code on that patient authenticates and matches with the contact-tracing smartphone app, it will transmit a data signal to the contract tracer center. In doing so, the contact tracers from the Health Ministry are able to quickly call and inform the person that he is within a close distancing range with the infected patient, allowing earlier identification and prevention of potential cases from happening. Thereby, putting the spread of the coronavirus under control.



Coronavirus Closings

What is TraceTogether and How Does It Work?

TraceTogether is a contact-tracing smartphone app that enables the Health Ministry to quickly track people who have been exposed to confirmed coronavirus cases.

What is TraceTogether?

A community-driven contact tracing app to help stop the spread of COVID-19.

Download the app, enable Bluetooth®, and protect your loved ones and yourself.

TraceTogether. Safer Together.

Jointly developed by: MINISTRY OF HEALTH

In support of:

*TraceTogether does not track your current location. Instead, we ask for location permissions to notify you your proximity to other phones. Your data will never be shared with contact tracers, unless you have chosen to opt-in with a COVID-19 case.

For more details, visit [trace.together.gov.sg](#)

1 Users here can download the app on the Apple App Store or the Google Play Store.

SCAN TO DOWNLOAD

2 Users have to input their mobile phone number for MOH to be able to contact them quickly. The number is the only data collected by the Government through the app.

3 During the initial set-up, users have to give their explicit consent to be able to use the app.

4 Users will then have to enable push notifications and location permissions, and keep the Bluetooth function on their phones turned on.

5 This is because the app uses short-distance Bluetooth signals that are exchanged between phones to detect other TraceTogether users in close proximity.

6 Official contact tracers who call users will provide a code that users can match with a corresponding verification code on their app.

- Once authenticated, users will be given a PIN number that allows submission of logs when entered.
- Official contact tracers will not ask for personal financial details or transfer of money.

Sources: GOVTECH MINISTRY OF HEALTH PHOTOS GOVTECH STRAITS TIMES GRAPHICS

Coronavirus Closings

Symptom-Monitoring Apk (COVIDradar): UK



To minimise paperwork, UK had released a **COVIDradar** app, a simple symptom-monitoring app developed by the health data science company ZOE to be made freely available via Google PlayStore and Apple IOS Store. The app will be soon available to the US region. To date nearly 2 million downloads had been installed in UK region on every smartphone.



It gathers and collates information from volunteers who submit their daily health status through the apps, including individual's medical history of microbiome and lifestyle, all being captured into the centralised system.

The data collated offers a significant help in identifying who needs to go for the coronavirus swab test will then be based on their current and past coronavirus infection history record.

From the information collated, the appearance of any new novel coronavirus cases on a population-wide scale can be monitored, allowing policymakers, academic researchers and scientists to study the patterns of these virus symptoms and finding out which group of people is at the highest health risk factor to the virus infection, and the rate of its spreading and to quickly identify and contain the virus clustering areas. Thereby, helping in the distribution of the resource allocations more efficiently in this manner and the policy makers in rolling out a timely and effective policy measures accordingly.

Coronavirus Closings

COVIDradar app

Take 1 minute to report your health daily, even if you're well.

- Help slow the outbreak
- Join millions of people helping to fight COVID-19
- Help scientists identify high risk areas in the UK





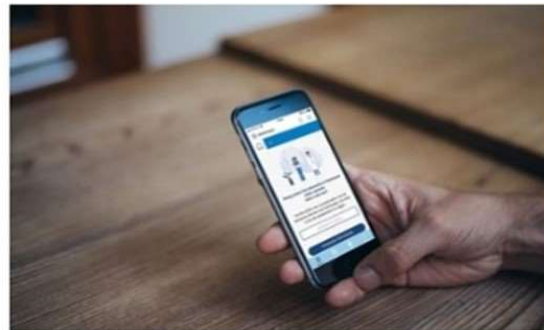
   

Help track coronavirus with the LUMC's COVID Radar app

07 April 2020

Leiden University Medical Center (LUMC) has just launched its COVID Radar app. Users of the app are asked to regularly complete a short questionnaire about their health, regardless of whether they are ill or not. This will give the researchers a good idea of the current spread of coronavirus in the Netherlands. Anyone can download the app and help out.

Users of the app are asked to regularly, and preferably daily, answer 15 questions about their health and behaviour. The data will be analysed and used for scientific research. The researchers want to gain a better understanding of how the epidemic is developing, who is at most risk, what the effect of social distancing is and when and where we can expect people to require healthcare. The information will also be used for advice and policymaking.



Download the COVID Radar app

Help gain a track the spread of coronavirus by using the COVID Radar app. Anyone in the Netherlands can participate in this research. The more participants, the more reliable the data. The app is available for iOS and Android and can be downloaded from www.lumc.nl/covidrader.

App users can also view the data in the app: a map of the Netherlands shows the answers per postcode area and how these change over time. You can also filter on the different symptoms in the questionnaire. The dataset with national data is also available to other medical organisations and research centres.

CORONAVIRUS

Coronavirus Closings

Health QR Colour Codes: China



Alibaba and Tencent companies had developed a health QR code apps. The Chinese government had mandatory instructed their authorities on respective province, rolling out the health code app from **WeChat** and **Alipay** platforms to have all localities registered and having the app to be installed on everyone's smartphone to track suspect virus cases of whom might have come into contact with any of the coronavirus patient.



There are 3 different kinds of colour coding of green, yellow and red that tied to their ID number, showing their current travelling patterns and vital health history records.



Coronavirus Closings

For example, commuters prior to taking the public transport must use their real-name to register their health survey on an online portal first. Once authenticated, the system will generate a specific health code either green, yellow or red on an individual smartphone that dictates whether outdoor activities are allowed and also tracking his movement history.

Green code meant that the commuter movement is not restricted. Citizens were allowed to leave the city as long as their smartphones display a green QR code, proving that they were healthy and safe to travel.

The image shows a screenshot of the 'ShangHai QR Code' health status interface. The left panel displays a green QR code with a red 'G' logo in the center, indicating a 'GREEN' status. Above the QR code is a small red logo with a white 'G' and the text 'Citizens Homepage of Government Online Office Shanghai'. Below the QR code, it says 'Updated on: 2020-02-28 12:20:30'. At the bottom, it states 'Data source: national and municipal public administrations.' and has links for 'FAQ' and 'Feedback' (the latter is highlighted with a red box and a red arrow). The right panel is titled 'Feedback' and contains a form for reporting issues. It includes fields for 'Given Name / Last Name', 'Passport Number', and 'Mobile phone number'. It also has a question 'Have you ever left Shanghai? (Yes/No)' with 'Yes' and 'No' radio buttons, where 'No' is selected. There is a 'Problem type' section with a dropdown menu and a 'Content' field with a text area. At the bottom, there is an 'Upload certification material (if there is)' section with a plus icon and a 'Submit' button.

ShangHai QR Code

Citizens Homepage of Government Online Office Shanghai

Updated on: 2020-02-28 12:20:30

GREEN

Data source: national and municipal public administrations.

FAQ | **Feedback**

Feedback

If you have any problem with the Shanghai Code Health, please fill in and submit the following form. We will deal with your feedback as soon as possible. Thank you for your understanding and support.

*Given Name / Last Name
Please enter your Given Name / Last Name

*Passport Number
Please enter your passport number

*Mobile phone number
Please enter your mobile number

*Have you ever left Shanghai? (Yes/No)
☐ Yes ☒ No

*Problem type (including related questions on health registration, wrong color of QR code, no appearance of QR code, problems with name and photo information)
Select question type

*Content: (at least 10 words; up to 200 words)
e.g. The color of my QR code is now. I arrived in Shanghai on yyyy/mm/dd, and have already self-isolated over 14 days. (Please append more information briefly if necessary)

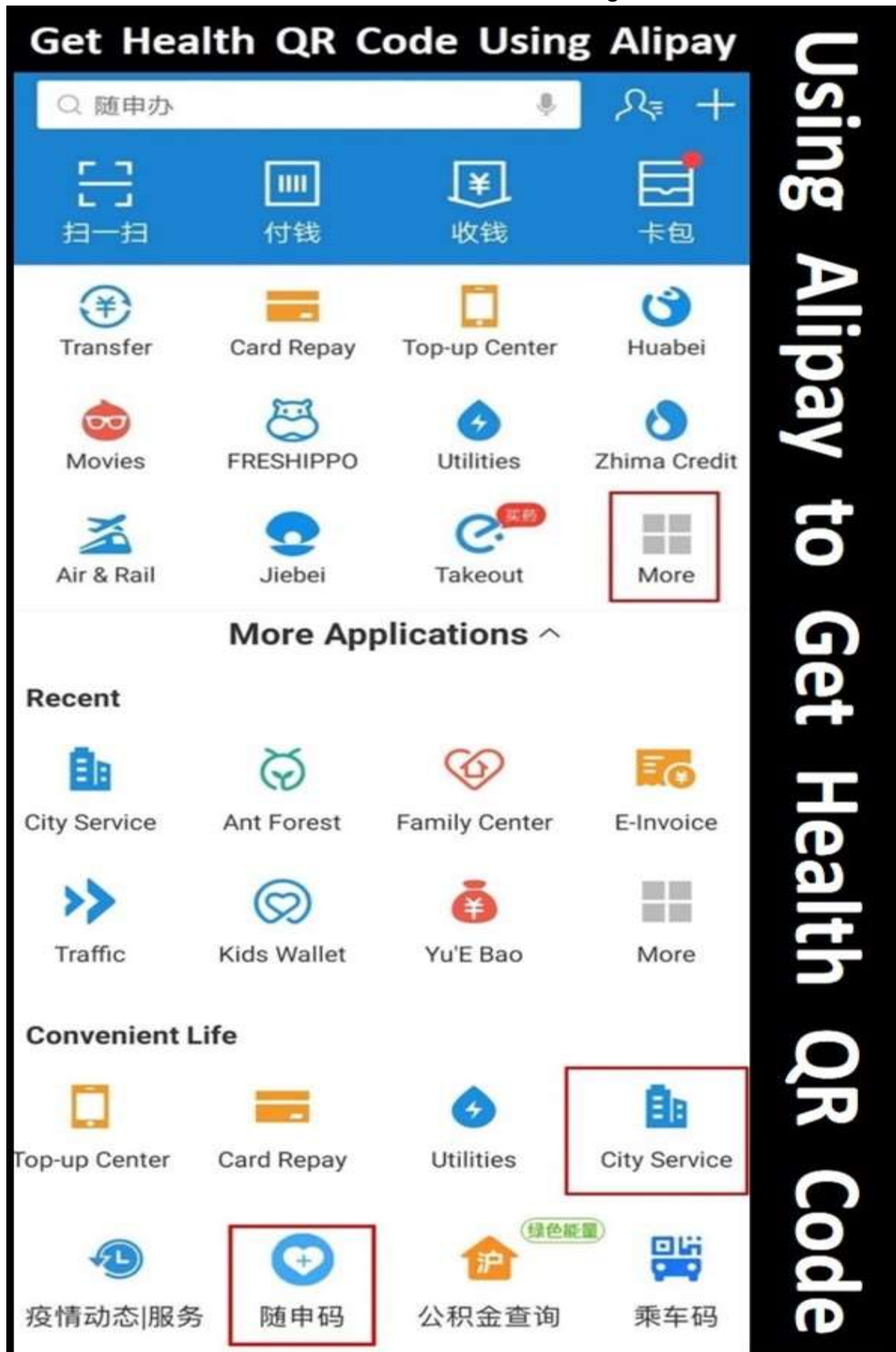
Upload certification material (if there is)
+

Submit certification material, e.g. copy or photo of air tickets, train tickets.

Do you need a reply? (Yes/No)
☐ Yes ☒ No

Submit

Coronavirus Closings



Using Alipay to Get Health QR Code

Coronavirus Closings

“随申码” 一键亮码流程图

一、请您出示“随申码”



二、现场工作人员核验

现场工作人员进行人码一致对比判断：

通过微信、支付宝、“随申办”APP的“扫一扫”功能扫描用户出示的二维码，检查信息一致，显示“绿色”予以放行。



三、申诉渠道

如果您对“随申码”的数据准确性有异议，可通过“随申码”下方的“我要申诉”留言，我们会尽快为您核实信息，并予以回复。



Coronavirus Closings

Immuni App: Italy

Developed by Milan-based technology start-up company, Bending Spoons, for the coronavirus location-tracing in the European community, using Bluetooth technology to trace coronavirus patients who happened to be within close proximity range. An alert will be sounded on the user's smartphone if such incident occurs nearby, requiring the user to take proactive actions adopting 14 days self-isolating advice and virus testing while remaining anonymous. The Immuni app is used on a voluntarily basis governed under Italy's data privacy policy.

L'app Immuni

Immuni: cos'è e come funziona

L'appalto		Contratto	Spese per lo Stato	
Software House	Bending Spoons	Cessione gratuita e perpetua della licenza d'uso	Spese per lo Stato	NESSUNA

Caratteristiche

- Installazione volontaria
- Tecnologia Bluetooth
- Sistema Contact tracing
- Efficace se usata dal 60% della popolazione
- Rispetto della privacy

COME FUNZIONA

Scambio informazioni tra smartphone entro un metro

Archiviazione e memorizzazione contatti tramite codici identificativi

Il diario clinico da compilare e aggiornare

Coronavirus Closings

COVIDSafe Coronavirus Tracking app: Australia



The Australian government is urging the citizen, but not mandatory as many opposed to its intrusion of personal privacy, to install the app into their smartphone in coronavirus fight so as to allow the authority to track, detect and give early warnings to intervene the potential clustering outbreak from escalating beyond control.

Initiating by the “digital handshake” via the bluetooth and stored contact data from the infected patients, the user is immediately notified when approaching near to any infected person for more than 15 minutes. The app does not track locality and it seek consent from the coronavirus patients before their privacy data are publicly shared as governed by their personal privacy data protection regulations.



Coronavirus Closings

Global Panic Fears

1. Novel Coronavirus Horrific Scene

Hospitals are overrunning with patients lining up in the hallways with all kind of sickness conditions, including those waiting for the coronavirus swab testing that can end up spreading and getting everyone infected and dying in a desperate plea for help. Hospital beds are running out of space rapidly. Many tents are putting up at the carpark lots and even exposition halls to solve the underlying bed shortages under this trying situation.



2. Extreme Shortage of Medical Workers

Hospitals faced extreme shortage of medics and many were staying back for the sick. Many resorted to sleep on the floor rather than going back home for fears of spreading the virus to their loved ones.

Morgues had overrun out of space and corpses were either wrapped or left around while some were just stored at the main ice rink instead.

Nurses shared their heartbreaking part of their job in an emotional moment which went viral on social media platform, disclosing some doctors and medical workers sacrificing their life on duty and including wave after wave of dying patients lost their life to the fight of novel coronavirus.



Coronavirus Closings

3. Extreme Shortage of PPE (Personal Protective Equipment)

Hospitals face extreme shortage of ventilators, gowns, surgical masks and hand gloves.

Doctors and nurses on the front lines are pleading for more PPE to treat overwhelming numbers of infected patients, particularly in desperate need for ventilator machines who have respiratory ailments difficulties in grasping air on their own.



Hospital issues standing order dictating that ICU (Intensive Care) wards are to be given only to the younger who have a higher chance of surviving rather than the older ones.

Doctors are forced to take up painstaking decision of deciding who to rescue first, the younger or the older ones with a better chance of survival rate.

Round-the-clock shift daily, they are having a rough day ahead seeing young, old, and patients of all age ranges who are incredibly sick where they have to make such painful tough decision when facing those dilemmas situation.

It truly comes with a heavy heart indeed to know doctors at this critical moment had to make such a tough decision.



Coronavirus Closings

Medical workers are turning to recycle materials like bin bags, plastic items, swimming goggles, and snorkelling gear made into improvised DIY medical gears in order to protect themselves against the virus.



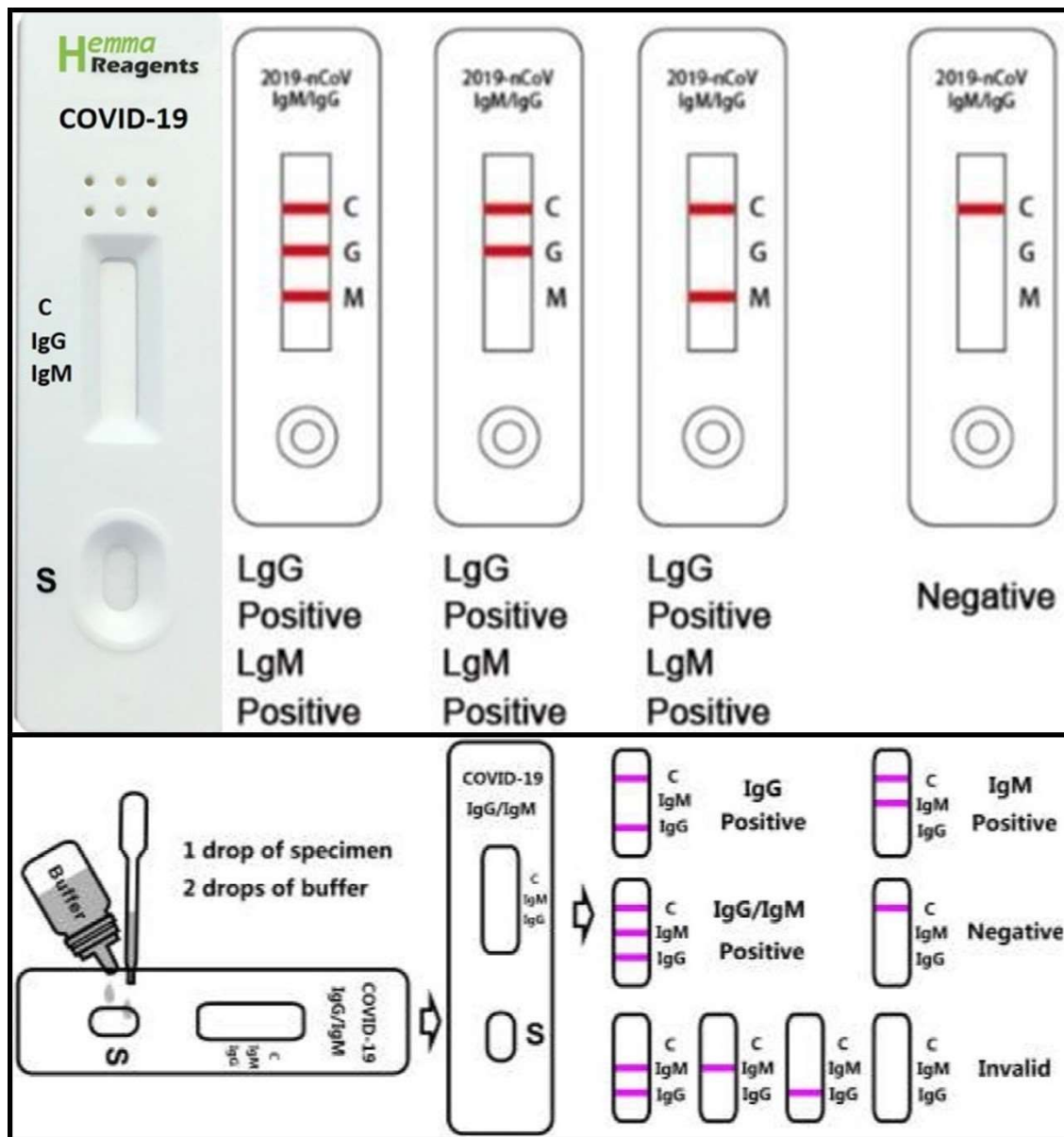
Coronavirus Closings

4. Extreme Shortage of Coronavirus Rapid Test Kits

Due to worldwide shortages of test kits, people who are experiencing mild symptoms are not qualified for it unless they had come in close contact with the infected patients or been to the virus cluster areas.

The new COVID-19 test kit can speed up the testing process and deliver the results in 10 minutes in determining whether the person has infected with COVID-19 or not.

It is termed at about 95% accuracy, but it cannot replace the laboratory test that normally takes about 3 days to deliver the patient results.



Coronavirus Closings

South Korea is using COVID-19 diagnostic swab test kits, made by SD Biosensor located in Cheongju, to do a swab test across the country for novel coronavirus. With immense effort of testing on all the people, it finally saw great success in clamping down and putting the situation under control. Due to its broad testing success results, it is now ramping up the production line of the COVID-19 diagnostic swab test kits for global export to meet the world demand shortages but priority shipment will be given to US, United Arab Emirates and Indonesia counterparts first before others.



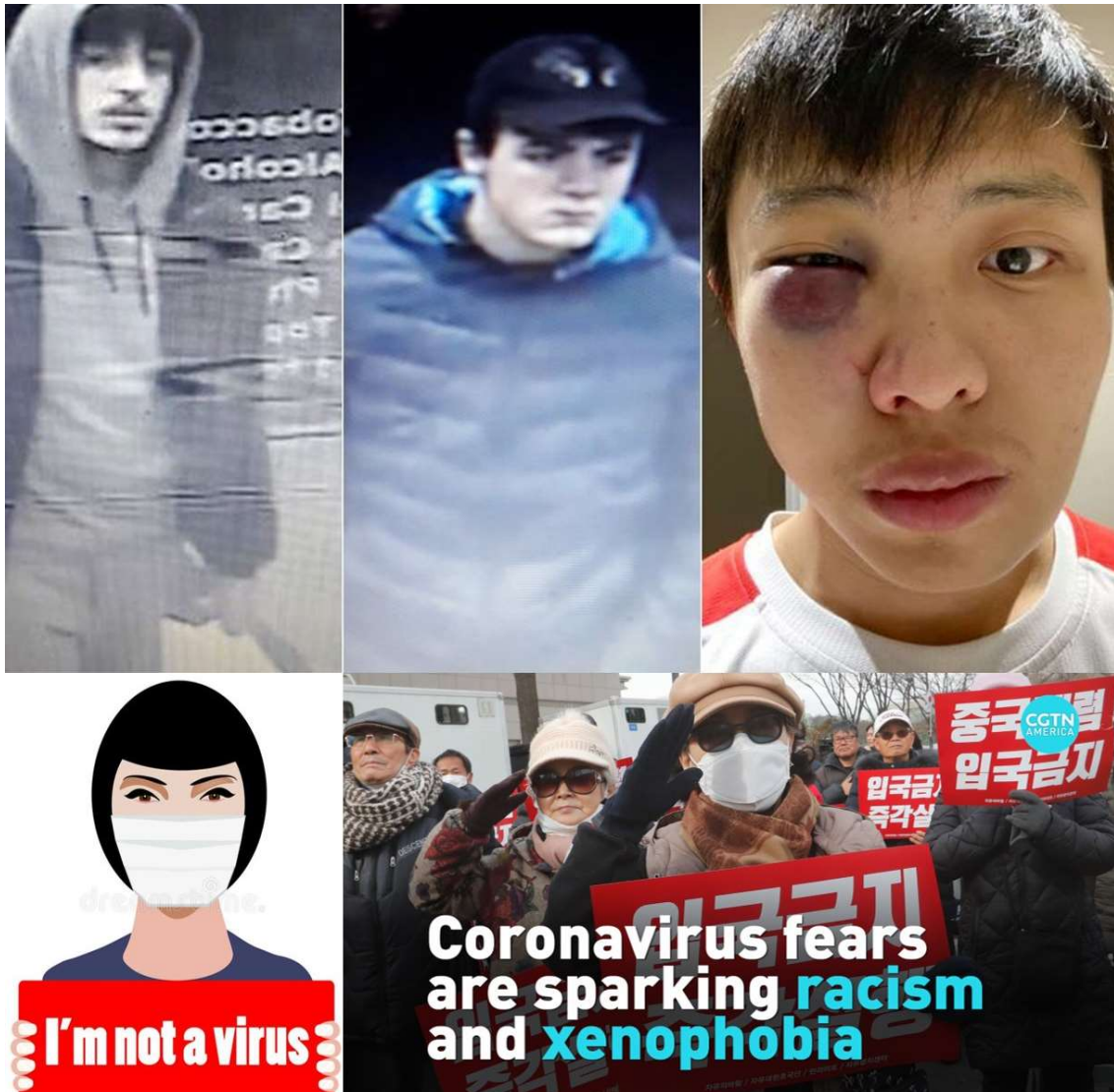
Coronavirus Closings

5. Racism Attacks Link to the Cause of Coronavirus

The novel coronavirus pandemic fears ignite Xenophobia and Anti-Asian Racism, including abuses that are targeting towards the Asians, Asian-Americans and the Black people of African Americans and Latinos.

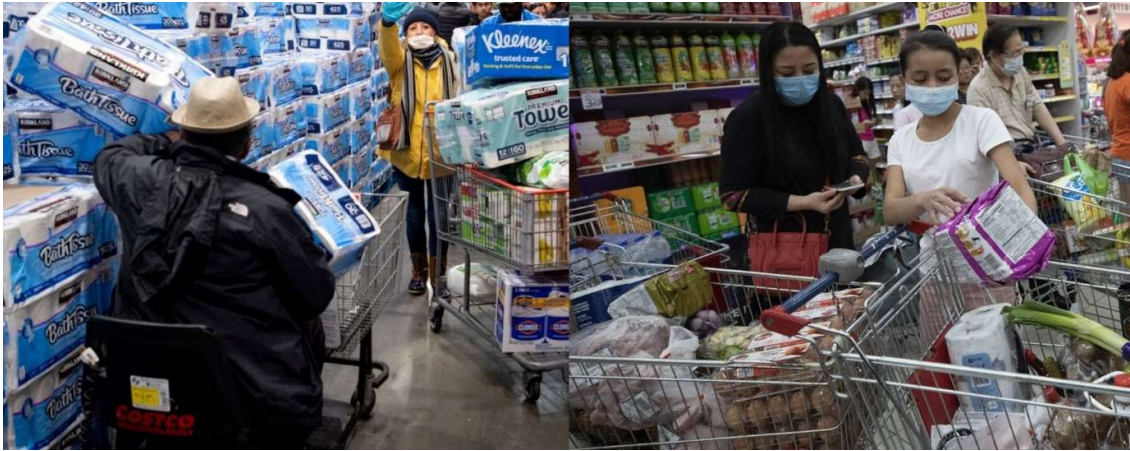
The black people are commonly economically marginalized and disproportionately holding jobs and are living in poverty with little or no access to medical care. Needless to say, they are less likely to have any health insurance coverage. Many have underlying health issues with high-blood pressure, asthma and diabetes and are now becoming the highest dying rates succumbing to coronavirus.

Simply put, the pandemic crisis hits the poor the hardest to the homeless, daily wage earners and contract workers.



Coronavirus Closings

6. Virus Scare Drives Hoarders Fearing Lockdown and Skyrocketing Prices on Food Storages



Panic buying can be seen across the country at grocery and supermarket stores the moment when people receive news that a lockdown is going to impose ahead even though it is assured by the government that there are ample stock supplies inside their warehouses for our daily consumption.

Supermarket shelves are being wiped clean of basic supplies and long queues can be seen. Everybody is scrambling to stock up full of basic necessities like toilet rolls, tissue papers and wipes, instant noodles, rice etc. Some are even seen desperately climbing up the ladders to grab whatever they can get from the top shelves.

Even online grocery sellers were also putting up with temporarily unfulfilled order deliveries due to overwhelming orders driving up logistics issues.

As a result of food hoarders' behaviour, all essential services such as supermarkets and pharmacies were implementing measures to tighten the limits of goods purchased so as to help the seniors and the needy ones to be able to buy the needed items they most needed.



Coronavirus Closings

7. Anxiety and Stress Over Virus Contagion Phobia



There is no vaccines available to treat the new virus. It is totally dependent on the individual immune system to fight this virus.

Even if the person has recovered and discharged, he is still not free from the virus infection as the virus is still dormant inside his body and can re-ignite the infection again anytime.

For people with stronger immune system, they might only experience mild cold-like symptoms for just 1 to 2 weeks, but totally out from infection yet.

Asymptomatic patient shows no symptoms at all can still be a super spreader and able to spread the virus to others unknowingly.

Earlier before, many frontline medical workers who didn't put on a mask also got infected in this manner.



Coronavirus Closings

So, it is definitely important wearing the face mask as it offers protection to you and others against the virus.



Also, people with chronic medical conditions and under 60 with cardiovascular problems, a chronic lung condition, with premature heart disease and smokers belong to the high risk group of novel coronavirus. Smokers are because of the cigarette nicotine accumulated at the respiratory area and novel coronavirus is one type of virus that always go for the lung and respiratory functions, making them very sick. It can potentially lead to fatal cardiac events.

Simply put, novel coronavirus is so deadly to the elderly and many deaths are over the age of 60 according to statistics. That's the scary part of contracting novel coronavirus infection.

8. Uncertainty 2020 Economy Downturn



The novel coronavirus is not only just destroying people's health, it is also at the same time taking away jobs and forcing business closures, totally wreaking havoc in the world economy. This crisis definitely brings a lot of uncertainty to our lives, work and invest. Everyone regardless of age and nationality needs to go about in our daily lives filled with fear, insecurities and anxiety. The battling of it may last a long time until a vaccine is developed and capable to kill off the virus totally.

Coronavirus Closings

Meanwhile, effective preventive measures policies and the stimulus financial relief package lifeline are rolling out to save ailing businesses and ensuring that workers and employees continue to get paid in the tough months ahead to tide over this uncertainty times of crisis.

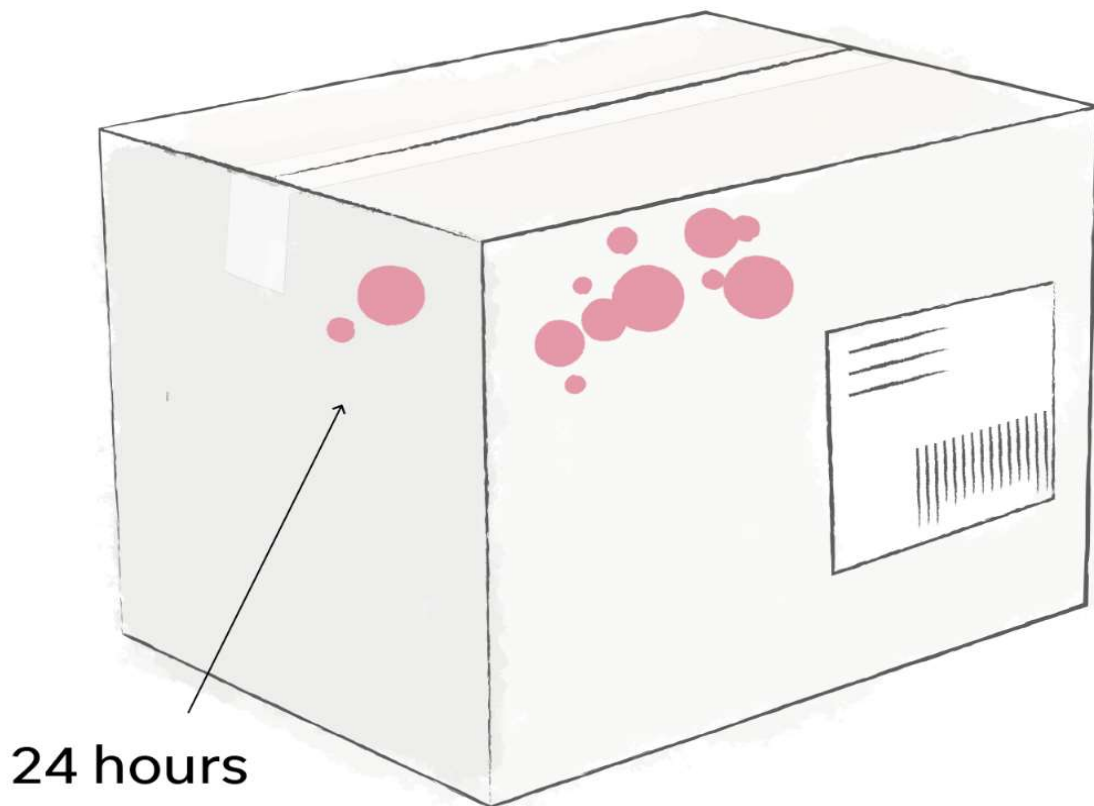
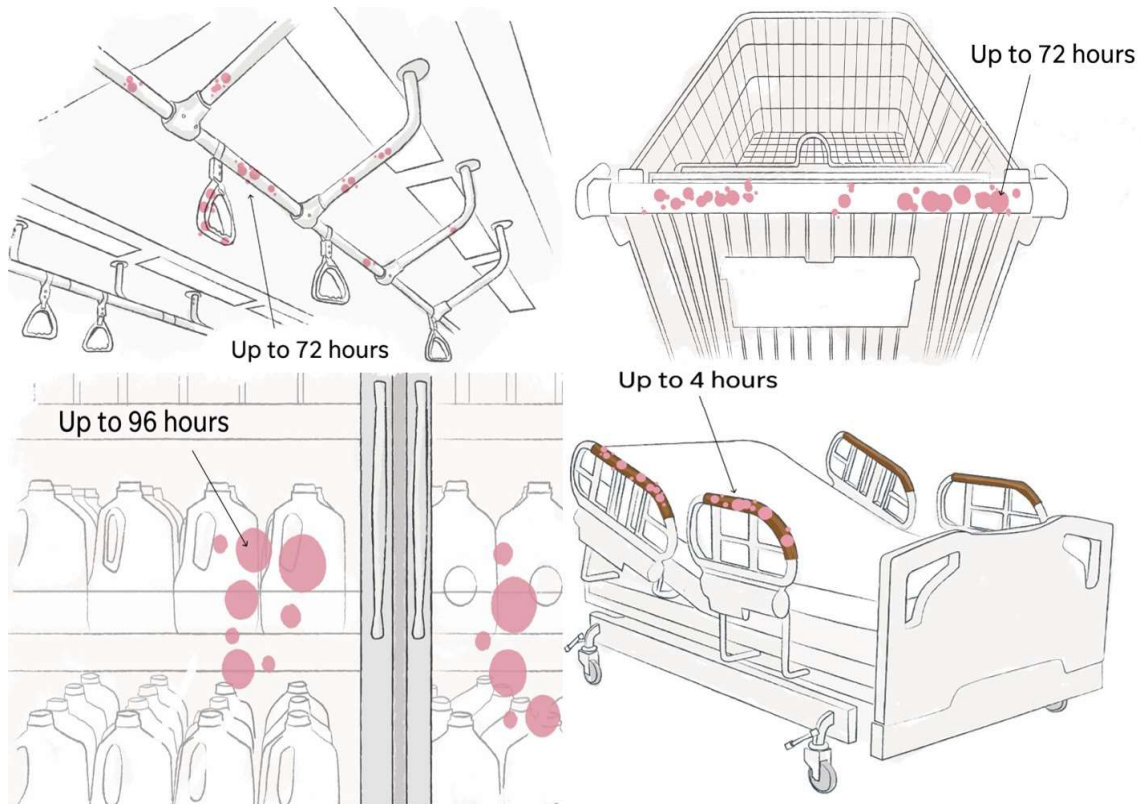


A HOW-TO GUIDE



Coronavirus Closings

Virus Intact On Non-Living Surfaces



Coronavirus Closings

Donned Mask Competitions

Amid the crisis, donning a DIY face mask looks cool and trendy. But, honestly speaking, it looks nice but it is not really useful when comes to protection against viruses. It is better for us to understand that novel coronavirus is not just a flu virus but a serious threat to human life that can be deadly infectious and lethal once contracted when the mask is not properly worn or made of inferior quality that allows germs to have a chance to sneak in through the improper use of the mask. A surgical mask with 3 to 4 filter layers has a better protection of 99% against viruses. Wear it properly and ensure the followings are adhered to:

1. There is no gaps seen on both sides of the face
2. The lower part of the mask must be pulled over to cover the whole chin area.
3. Cover mouth and nose with mask, ensuring no gaps in between the face and the mask.
4. Discard mask in a closed rubbish bin.

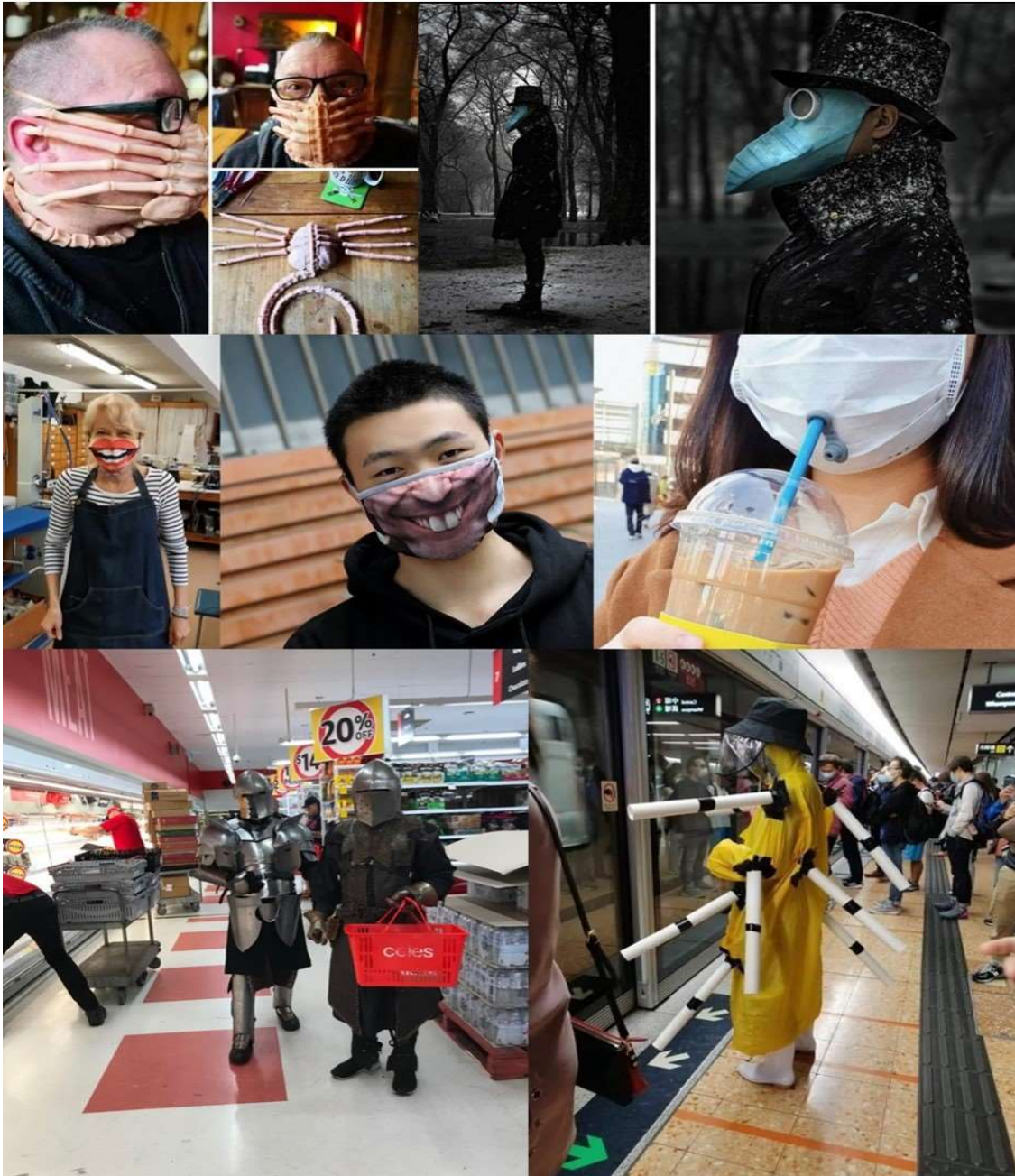
Examples of Numerous Face Mask Designs



Coronavirus Closings

DIY FACE MASKS

MADE FROM FABRIC, BANDANNAS,
PAPER TOWELS, BRAS & MORE



Coronavirus Closings

Nice mask to look at but offers no protection cover against viruses.



Coronavirus Closings

DIY Surgical Face Mask and Face Shield Visor



香港大学深圳医院
The University of Hong Kong - Shenzhen Hospital

DIY mask at home





Step 1
Clean your hands and tools thoroughly



Sturdy and air permeable tissue Hole puncher Binder clips Wire in plastic sheath Transparent plastic folder

較厚及透氣紙巾 釘書機 夾子 包膠膠線 透明膠文件套

Kitchen paper towel 廚房紙 橡根繩 綳紋膠紙 剪刀 眼鏡

Rubber bands Paper masking tape (about two inches in width) Scissor Protective eyeglasses



Step 2
Stack two pieces of paper towel in 90-degree as the filter for the mask



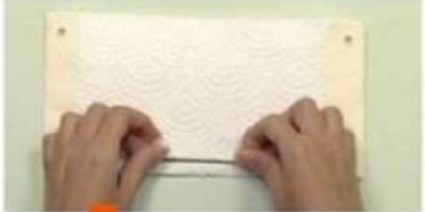
Step 3
Add a piece of thick tissue as the water-absorbing layer in the mask.



Step 4
Cut the finished paper module with the scissors into two equal halves and tape the wider edges with adhesive tapes with two-inch width.



Step 5
Punch four holes at each corner on the surface of the mask.

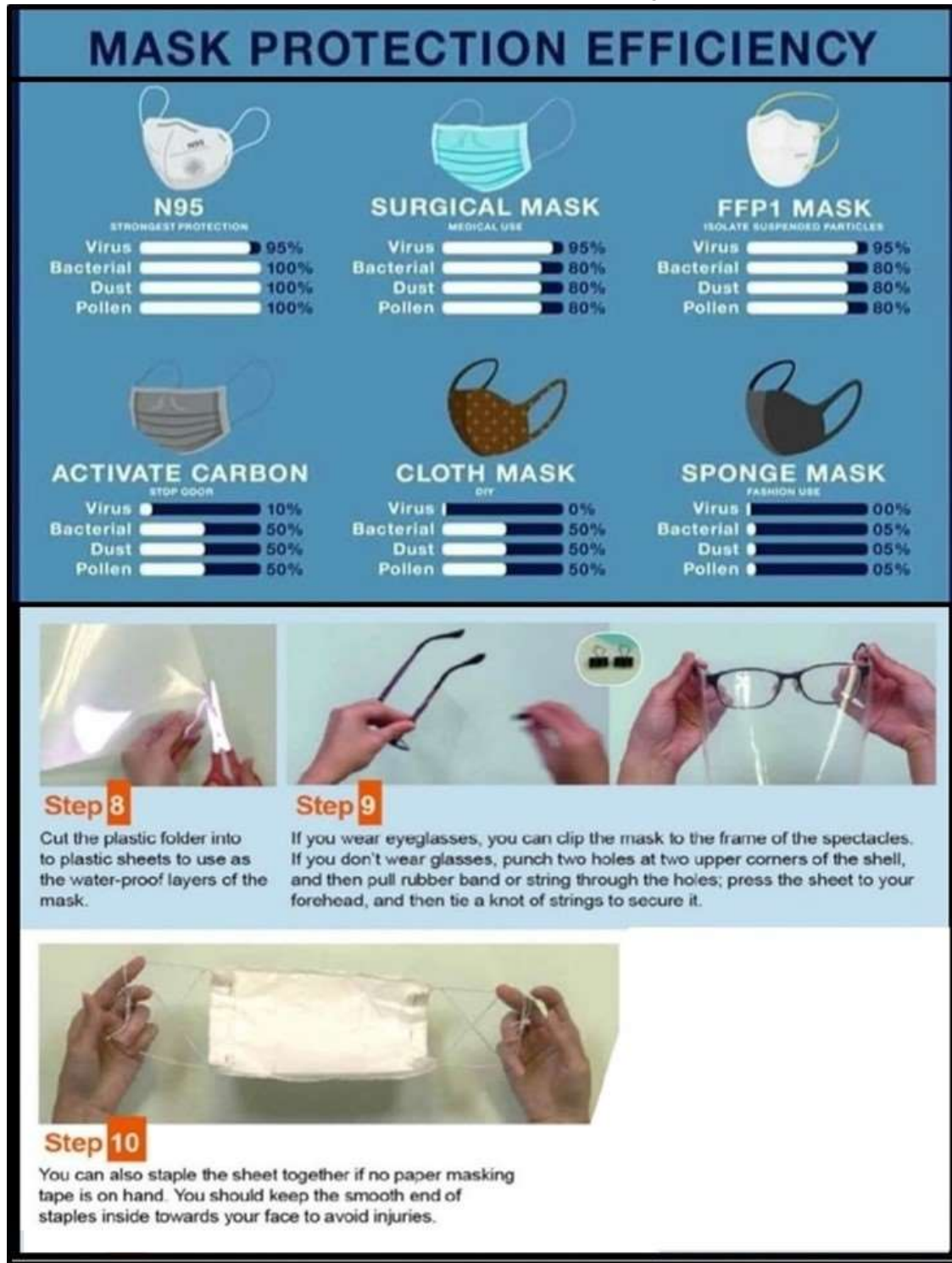


Step 6
Insert a piece of wire to the upper end of the mask (close to nose) to make the bridge. (Eyeglasses can also be used to fix the mask on the nose if there is no twist tie.)



Step 7
Pass rubber bands or strings through four holes. Adjust the length to fit your face.

Coronavirus Closings



Be responsible and wear a mask whenever going out. Dispose the used mask in a closed rubbish bin. Do not throw it on the ground such that the cat and dog can get infected by your irresponsible action!

Coronavirus Closings

G20 Leaders Health Funding Pledge

Facing the common enemy of the novel coronavirus pandemic across the globe, G-20's was set up on 26 March 2020 as a global humanity responsibility to save the world economy from economic recession.



With country leaders all come together as a united frontier in response to the pandemic at a special teleconference summit in a joint statement.



President Moon Jae-in (left) speaking with other G-20 leaders during the special teleconference summit.

Coronavirus Closings

The G-20 group leaders have pledged to inject US\$5 trillion fiscal stimulus spending aids to help restore the confidence in the global economy in the wake of the pandemic crisis and also seeking support in significant areas like nation healthcare sectors to ensure a continuity flow of vital medical supplies and essential goods and services to pass through borders without any government's interferences and to quickly resolve the disruption of the global supply chain. Besides massive funding, supportive actions are also needed from multilateral coordination efforts in helping globally to save jobs and businesses across borders to maintain continuity of essential trades flow.

Novel coronavirus knows no boundaries. A preparedness robust plan to ensure global food supplies must get ready in action as more countries adopt lockdown policies in spite the fear that supply chain is beginning to feel the impact due to the slowing down in the shipping industry which causes a disruption to the logistical areas that lead to the food shortage supplies across the globe.

WHO's Tedros Ghebreyesus seeks G-20 group leaders in response to quickly speed up the funding and shipment of PPE for healthcare workers in Africa, Ethiopia, where the communities are poor and lacking healthcare facilities on site, mounting many infection cases and death tolls at an alarming rate to the threat of the coronavirus infections. "A ticking time bomb in Africa," as pointed out by the worried scientists.



Coronavirus Closings

Facing the Pandemic

The novel coronavirus pandemic had taken a heavy toll on the world economy like a sweeping tidal wave across the globe with no boundaries. The outbreak had given a hardest blow to the world economy and wiped off all the reaping profits gained from the past years, and now all the shares were tumbling down like a stack of cards, sending the stock market into turmoil across the world. Household and businesses suffer painful consequences, resulting in job losses and closures of businesses. Developing countries with stable governments responded to novel coronavirus pandemic with countermeasures while poorer nations like Africa, Latin America and South Asia had not much defences to fight the bug as they had no safety net and no savings at all.

Countries had closed down their borders with no flights flying and no tourists coming in. Healthcare services were stretched beyond their limits as waves of patients keep flooding in the hospitals' hallways pleading for doctors and nurses help to check upon their health status. Millions of people were self-isolating at home fearing of getting the virus from symptomatic and asymptomatic carriers. Financial relief lifeline was quickly rolling out by government to save ailing businesses and ensuring that workers and employees were still continuing getting paid during the rough times ahead.

Many infected individuals had ignored the disease fatality as common seasonal flu and were less likely to seek any diagnosis and care treatment, and continued with their normal life routine. At present, there is no vaccine to prevent it and cannot be treated. The only way to treat it is solely dependent on individual own immune system. Will this pandemic end in a long run leading to a global economic recession in 2020?

Lockdown Measures

1. Clean and Disinfect Smartphone



Remember to thoroughly clean your smartphone with a wet cloth containing alcohol at least once a day as viruses and bacteria can stay up there for 96 hours.

Coronavirus Closings

2. Observe Personal Hygiene



This is why Soap Works

THE CORONAVIRUS has a membrane of oily lipid molecules, which is studded with proteins that help the virus infect cells.

SOAP MOLECULES have a hybrid structure, with a head that bonds to water and a tail that avoids it.

SOAP DESTROYS THE VIRUS when the water-shunning tails of the soap molecules wedge themselves into the lipid membrane and pry it apart.

SOAP TRAPS DIRT and fragments of the destroyed virus in tiny bubbles called micelles, which wash away in water.

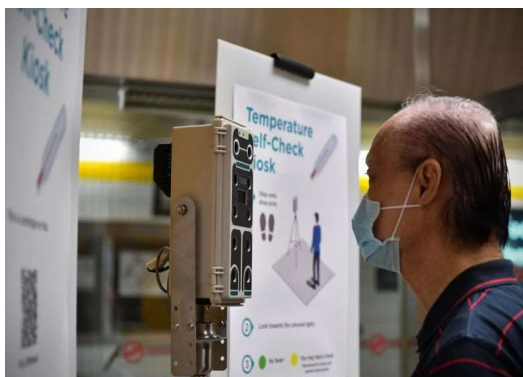
Labels in diagram: Spike protein (helps the virus enter cells), Genetic material, Lipid membrane and other proteins, Hydrophilic head (bonds with water), Hydrophobic tail (avoids water, bonds with oil and fat), Micelle.

Always wash hand with soap and water frequently to get rid of any germs sticking onto your hands.

If there is no water around, use hand sanitizer instead, but must have at least 70% alcohol contents' based in order to effectively kill the germs.

3. Carry out Self-Check and Monitoring

Self-monitoring your temperature twice daily and look out for any symptoms like fever, sore throat, eye pain, dry cough, chest pain, breathing difficulties and loss of taste from your tongue or smell.



If any of these suspecting symptom occurs, do not hesitate to visit your doctor to have it checked. Be safe and stay safe!

Coronavirus Closings

4. Borders Shut to Curb the Virus Spread



All borders, land and sea, would be closed until further notice. The last minute announcement of the shutting down borders saw airport chaos with people dashing in dragging along their luggage to catch one of the few planes flying. Everybody looked panically afraid of not being able to get a flight back home. Flying in the midst of a worldwide pandemic would be costly, demanding and dangerously risky under cramping and enclosed cabins for a long journey back home. All permit pass holders were barred from entering or transiting over.

5. Shutting Down Workplaces, School Moves to Home-Based-Learning



Telecommuting were strongly encouraged for working people and educationist using internet broadband technology to replace the current way of working style at work and in school learning process.

6. Avoid Contact with Others

No group or religious gatherings, standing in pairs or mingling with community, but instead straight home after carrying out essential services.



Coronavirus Closings

7. Stay Home Orders

Except doing essential work and buying food. No dining out, but only takeaway meals were permitted. Masks were compulsory to be worn whenever going out. Throw used masks in a closed bin. Violators fined and those breaching the stay-home notices would have their work permit pass cancelled and permanently barred from coming in to work.



8. Social Distancing Responsibility

Social distancing measures kicked in to limit crowds at essential service places like supermarket stores, F&B outlets, public transport etc. All entertainment venues, museums and attractions places and tuition centres remained closed until further notice.



9. Taking Care of the Elderly and the Weak



Ensuring the older family members beyond 60 of age and those with chronic heart and respiratory conditions to stay at home as they belonged to the riskier group of getting infected easily by the coronavirus.

Coronavirus Closings

10. Imposing 14 Days Self-Isolating Advice

Self-Isolating Advice

If you have been to a country of concern* in the last 14 days ...



Do not go to work, school or public areas



Avoid visitors in your home



Avoid using public transport or taxis

Symptoms to look out for:



Cough



Runny nose



Sore throat



Fever



Difficulty breathing

Restricting your movement or self-isolating yourself for a minimum of 14 days when:

- Coming back from overseas trip
- Living with an infected patient, but you were tested negative after taking the swab test.
- Coming near or in close proximity with the infected patient

Self-Isolation Rules for living

1. Single and living alone

- Don't let anyone for instance friends, family members etc. to visit you
- Strictly confine and stay at home all the times for 14 days
- Strictly no friends, colleagues and family gatherings around you

2. Sharing with roommates or living with partner or family

- Self-isolate yourself for a minimum of 14 days if you have contracted mild symptoms.
- Confine yourself to a room alone. No sharing the room with others, not even your partner.
- Always use mask to cover your mouth when coughing and sneezing.
 - Wash hands thoroughly with soap and water frequently.
 - Wear disposable gloves whenever there is a need to step out of the room for a glass of water.
 - Wipe touched surfaces thoroughly.

Coronavirus Closings

The Fighting Spirit

So take care of yourself first.

Protect the elderly, and stay home!

Stay safe, stay healthy, stay positive and stay survive.



Because as we know it, the world needs you, and you needs the world as much as we do!

Together, we can conquer this coronavirus pandemic!



Coronavirus Closings

The Unsung Heroes

There were many untold sacrifices from the frontline healthcare workers as they soldiered on the fight with COVID-19 day in and day out. Within the sprawling hospital compound, many were hard at work, quietly working behind the scenes donning on the goggles, shower cap, gloves, N95 mask and plastic gown to protect themselves where each and every individual played a different role as the infectious cases increased daily.



Coronavirus Closings

As the outbreak escalated, there were many sick patients coming forward to the hospital seeking for treatment. Barricades and signages were putting up, directing everyone entering the main entrance must have their temperature taken and screened. Workload and duties of the healthcare workers were drastically increased.



Some transport swabbed samples, cleaned the wards, escorted the patients, and changed the laundry. Essential services like porters, housekeepers, security officers, linen services etc. were the ones that we normally took their services for granted and did not pay any attention to it.



For instance the housekeeper, the one that played the role of making the place safe and ensuring that the rooms, the toilet, the ward area, the corridor area, countertops as well as the staff pantry were cleaned and disinfected all the surfaces to keep them germs free.



When the patients were discharged, they would come in to carry out a thorough cleaning so that the ward was ready for the next patient admission. Even when there was an extreme discharges of patient, they would still manage to overcome the extra workload as they fully understood their role and function without any complaints.

Coronavirus Closings

Many even went to the extent of cutting short their lunch break when there were times many patients discharged from the wards on the same day.

Many expressed concerned and said the same notion, “Nothing to worry about, we have to do our duties. We are happy to help the sick patients. Our role is to make and keep the place safe and clean for everybody and everywhere. When the place is cleaned and tidied, we are happy.”

Some even came with more touching expressions, “Everyone works in the hospital is a frontliner. We are frontliners and we do our part in helping one another as part of the team too. Bedsheets, blankets, towels, pyjamas for patients, curtains, and linens in the wards are all under our care.”

During this crisis, we could see many healthcare workers doing their jobs in a responsible and serious attitudes in attending to their sick patients’ needs. Across the globe, people were thankful to their healthcare workers on the COVID-19 frontline and tons of thankful notes with gifts of appreciation from the public were posted and had given them a positive perspectives and motivation actions to keep their morale high and to continue working together as a unified team spirit to overcome their job stress and tiredness in fighting the bug.



Some kind souls from the public had offered to send in free food daily on a voluntarily basis in a way of recognising their immense sacrifices, invaluable dedication and hardwork they had put in.

Coronavirus Closings

Everything in the hospital's protocols had changed ever since the pandemic hit the shores and everybody was facing the same challenges.

For instance:

1. To prevent germs cross-contamination when handling dirty linen that might come from the infected patients, the team member wore T-Shirt and medical scrub pants rather than the standard uniforms that were previously issued by the hospital.

While wheeling the COVID-19 patients before and after the screening centre, they were required to put on a full PPE attire. In a day, they probably had to change many times on the PPE attire while patients were being transported within the hospital.

2. Before transferring a COVID-19 patient out of the ward, the porter had to communicate with the officer at the infectious control centre and the different departments for clearance and the transfer routes to be taken.

Blockages and signages had to put up along the transfer routes to inform people that the COVID-19 patient's transfer was in process.

3. The supervising officers-in-charge for instance the security and updating officers were required to devise a proper planning schedules and duties' rosters to internal and external outsourced officers to know exactly what duties they were to perform in the day ahead within the hospital complex.

In the beginning, new comers were finding it troublesome and uncomfortable to change the PPE attire many times in a day. But as time passed by, they began to understand the need of keeping themselves safe from the virus at the end of the day for himself, his family and others.

Community isolation facilities were being set up elsewhere to make up the shortfall of hospital beds so that ambulances can make the necessary transfers in process.



Coronavirus Closings

Medical workers Bitter Realities



All the medical frontliners are truly amazing and deserving our recognition and respect for their dedication and sacrifices they have to make and placing their own health risk on the frontline of coronavirus to save the sick patients. Each and every single of them went above the call of duty, especially the ladies' nurses and doctors with long hairs all have their full head of hairs shaved off completely and become bald in order to reduce the risk of cross-contamination from the virus. They put on adult diapers and some even take birth control pills to delay their menstrual cycle and counting. After layering themselves on their protective gear, they enter the wards with full dedication of their duty and optimism to fight the coronavirus battle. They are our true heroes and GREAT warriors for humanity indeed!

Once inside the wards, doctors and nurses alike do not have the time to go to the bathroom to relieve themselves, to eat or drink. They have to withstand an unpleasant and prolonged working hours in wearing the same protective suits while making their rounds to check, monitor and even trying to save infected patients from terrible breathing difficulties and massive heart attack occurrences.



Coronavirus Closings



The doctor is completely exhausted after working long hour of gruelling shift and not able to breathe freely. Not only that, they have to withstand skin irritations from their protective goggles and masks, and also their body itchiness from their protective suits which are extremely hot, suffocating and uncomfortable to wear. Signs of skin irritation and bloody marks from their masks are clearly shown on their faces and noses' bridges due to long hours of usage.



All the medical workers are working round-the-clock in the wake of the coronavirus crisis at the hospitals that many of them after the shift are staying back behind, finding a little corner area to rest or sleep until the next shift and then repeats the whole cycle again. This is the bitter reality of the hardship that are facing by the medical workers while protecting and caring for the infected sick patients, a call beyond duty and dedication.



Coronavirus Closings

The Whistleblower



Li Wen Liang, a 34 years old ophthalmologist doctor married with 2 children is a coronavirus whistleblower in the early stage of coronavirus. He sounded an early warning to the Wuhan community in December 2019 about a possible outbreak of an illness that had similarly resemblance's behaviour of SARS-CoV-1 outbreak in 2003 epidemic. His warnings was rubbished by the local police as rumour-mongering and was given a stern warning with meting out serious punishment if his action repeated again.

A glaucoma patient happened to be treated by him on 10 January 2020 at his hospital got him infected. His diagnosis and test results later came out confirming positive to coronavirus on January 30. Outrage and grief of his death angered the public over the government tight reins of information that caused an igniting spark to the Chinese to demand for freedom of speech. After his death, Li Wen Liang was looked upon as an unsung hero of China by the Chinese who had made sacrifices and one who is willing to speak out the truth. On February 7, he died from the coronavirus infection at the hospital. News of his death was made known through the Press and picked up by the netizens that later on became the top read topics on Weibo dashboard with over 1 billion online viewers. Many went to his funeral site to light up a candle and pay tribute to the hero, some exclaiming "You are the beam of light in the night!" while others posted poems, photos and drawings saluting him for his courageous act of speaking out the truth.



Coronavirus Closings

Reshaping of Consumer and Business Behaviour

More Localised Production

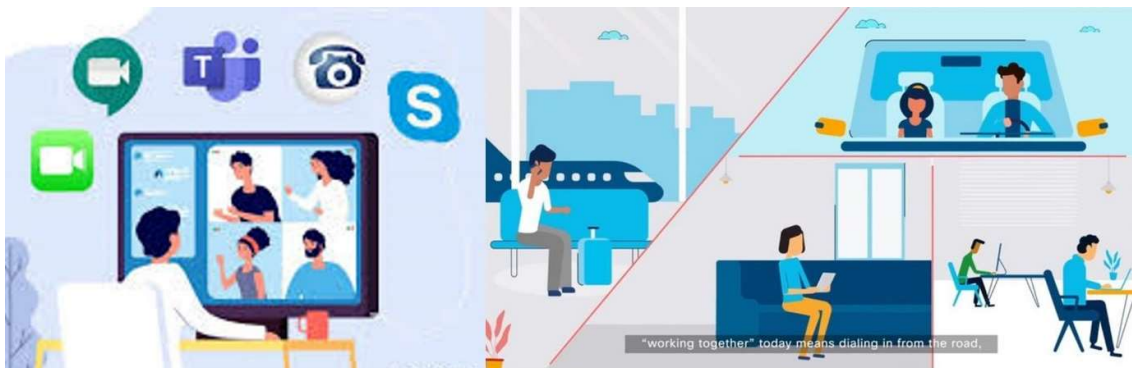
The lesson that we had learned from the pandemic had clearly highlighted to us the heavy risks of having to rely on distant foreign producers of critical mass production on the importance of certain basic needs of medical PPE, medicine, microchips and food supplies in the sudden reoccurrence of such pandemic outbreaks in the near future.

National governments have to adopt a need to diversify the network chain of regional suppliers in terms of time deliverance and the requirement of domestic production on critical goods and the new impetus for the local private entities sectors to diversity supply lines as well. Companies may need to reconsider and foreseeing the future stockpiling of greater quantity of inventories including critical components in the pipelines.

More Flexible Commuting Options

The economic and social interactions of doing business globally and locally now involve in virtual internet meetings and working from home. Both employees and employers have truly learned to adopt the possibility of working from home or some other off-site premises rather than going back to the old ways of staying in the office working till late nights.

As long as people are equipped with a laptop or tablet and have a reliable internet connections, business meetings and proposals can still continue to function in today technology. Ultimately, this pandemic crisis has put the world towards a new different pattern of work-life balance.



Fewer people need to drive or take public transport to work, and these have turned into a blessing in disguise which make a greater improvement effort to our global warming consequences with less pollution. The sky now seems to look brilliant and bright and not so cloudiness nowadays.

Coronavirus Closings

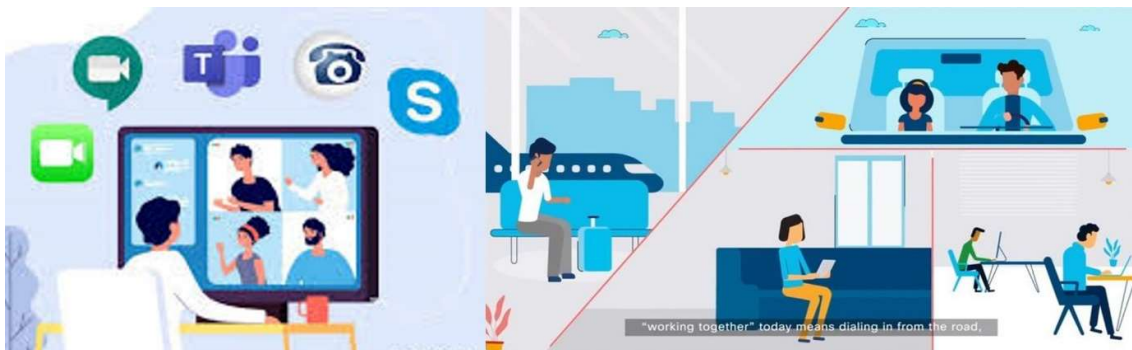
Less Business Travel



With the world advanced internet technologies with 5G on the pipelines, fewer corporate business travelling by flight may not be necessary as more can adopt virtual internet meetings and webinars via Zoom, Google meetings or Microsoft meetings without the need to travel oversea for business meetings and seminars.



Either for face-to-face meetings or engaging with people as a group, communications via virtual internet meetings can still achieve the same results ultimately.



On the contrary, business travel is time consuming and also causing another large expenses to be incurred.

Needless to say, airlines and hotels will be badly affected and come at less in demand. The business structure for most businesses to sustain in today crises will have to re-model and re-design their strategies and manpower relocation.

Retrenchment of employees will see in the last resort of no-solution calls in order to sustain business on-going.

Coronavirus Closings

Online Retail Prevails



In the past, consumers do their shopping on physical stores. Ever since the emerged pandemic crises, more are turning towards ecommerce online portal instead to do their shopping and opting for online deliveries. As such, online orderings have now become a necessity in today's lives and the only option to purchase as more brick-and-mortar stores are now under tremendous pressure and being forced to shut down due to fewer shoppers and are infeasible to sustain businesses with high rentals and struggling to pay off their staff salaries.

Landlords in shopping malls and offices are now finding it more difficult to look for tenant replacement for their store fronts this time around. Moreover, the nature of retail has now changed the consumers' mindset from the traditional way of buying to online purchase conveniences at a click of a button. As such, there are big implications for tenants who are willing to pay rent on shopping malls concept.

Cash Is King



Banks have drastically reduced their loan interest. Not because of seeking out more loaners, but instead they are more worried that many are not able to pay off their loans during this crisis as many businesses that have shut down have caused job loss and are not able to get a job with the kind of salary

that the employee is enjoying previously. Getting loan approval from banks is now even harder as bank relation officers will need to thoroughly check through the applicant's affordability background. Even so, if the applicant has no problem, the bank will also not grant him the full loan at the most 60% loan amount payable.

Coronavirus Closings

As public debt soars to the sky, the private sector might have to de-leverage. For instance, rather than giving out profits as dividends in stock shares, they are now withholding a greater share of corporate earnings instead.

Business Will Never Be the Same As Before



It will not be business as usual after the pandemic crisis. This crisis has now become the biggest hurdle of economic shock since WWII as governments across the globe implement mandatory orders to social isolation measures, shutting down businesses and instructing people to work from home to slow the infection spread of the virus diseases transmitting from human to human.

This so called “isolation economy” has inevitably created a new business model activity boom to food delivery services like Grab, Deliveroo, Amazon Web Services, Zoom Video Communications and Internet Broadband Service Providers to have benefitted significantly to the extent that their delivery schedules may be stressed as many are trying to find a slot for home delivery through online ordering.



Coronavirus Closings

The Message of Corona to Humans

Corona Forewarnings to Human Being – What Is Your Take?

Coronavirus disease outbreak situation

5 704 736

Confirmed cases

357 736

Confirmed deaths

216

Countries, areas or territories with cases

Last update: 29 May 2020, 08:00 GMT+8

Last update: 29 May 2020, 08:00 GMT+8

Last update: 29 May 2020, 08:00 GMT+8

Data published on World Health Organisation, last update on 29 May 2020

The apocalyptic virus had swept across the globe signified a warning messages to all human race that a pandemic triggered by animals can easily wipe out half of the world's population if we are still ignoring our consumption habits on animals and helping such illegal trading exploiting for the benefits of human beings, we are actually taking ourselves to doomsday.

According to WHO data, to-date the confirmed infection rates had already reached 5.8 million people being infected by the human-to-human virus transmission and it is still on-going until a vaccine had been developed to stop this further diseases globally. Every nook of the corners, countries are imposing social distancing measures at the expense of opening up their economies to save jobs and companies from collapsing. Everyone is awaiting and looking up to the day where WHO, World Health Organisation, will announce to the world that a certain vaccine had been invented and undergoing a clinical trials of success achieving 98% success rate. But, as for now shouldn't we treat animals more humanely.

If we still don't change our ways and carry on with encouraging exotic animals illegal trading to exploit animals for the benefits of medical, precious ornaments and its delicacy meat, it could be just around the corner where the plague will just come suddenly and sweep across all humans in every corners of the world to take away lives. By then, humans will be too late for any regret and will be becoming the next extinct species on Earth. There is probably something obviously true in the hidden depth of nature for every living species sharing the same space on Earth, treating one another with compassion and benevolence as what all

Coronavirus Closings

religions are preaching for. Moreover, humans have culture and conscience in our hearts! It is morally wrong for us to treat cruelty to animals. Animals do feel emotions and pain like we do too. They cry when facing loss of loved ones or met with an imminent calamity ahead.

With such virus pandemics explosively spreading across all nations, it is never a matter of if, but when!

We should NOW be campaigning to halt all animal killings and advocate the overwhelming benefits of a plant-based diet rather than dicing on pork sausages, bacon sandwiches and chicken nuggets to start the countdown of the impending diseases spread by animals through 'zoonoses' that once infiltrate into our body immune system, it will be potentially fatal on an unimaginable scale.

These viruses are generally benign in our host cell, and mutate to replicate itself rapidly in human tissue to emerge a new genome strain before turning hostile and lethal attacking back to our immune system that supposedly providing some protective coating around our nerve cells.

This eventually brings death or other deadly symptoms like strokes and paralysis to the infected patient.

In past medical records of the zoonotic retroviruses diseases transmission archives, for instance like:

1. Tuberculosis came from goats
2. Measles came from sheep and goats
3. Smallpox came from camels
4. Leprosy came from water buffalo
5. Whooping cough came from pigs
6. Typhoid fever came from chickens
7. Cold viruses came from cattle and horses

Civets, a nocturnal mammal native species found mostly in Africa tropical forest region were known to be the source of disease transmission for SARS to infect from bats to humans whilst MERS were transmitted from camels.

Novel coronavirus is believed to be originated from bats were somehow transmitted to humans via an infected pangolin whose meaty delicacy would may have consumed by Chinese people or its scales concocted made into traditional medicines.

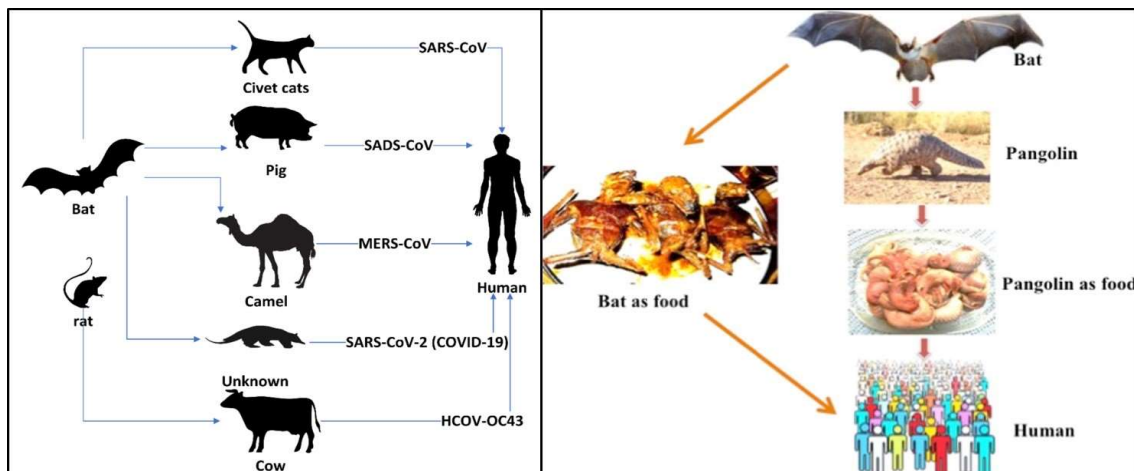
Coronavirus Closings

African Rarely Seen Civets, a nocturnal mammal species



Just that one meal or medicine of the infected animal may end up costing humanity trillions of dollars and millions of precious lives lost in an explosive flashes among humans, leading to the perilous state that we are in today!

All these zoonoses rarely get to humans directly, but induced through some links that are associated through the exporting and handling of exotic animals during transit that may have caused the jump species' barriers infecting humans that came in close proximity with it.



Studies conducted and concluded by US Centers for Disease Control and Prevention (CDC) had scientific evidences, proving that pathogens like zoonotic retroviruses, simian foamy viruses and primate herpesviruses were mostly originated from the illegal livestock.

Coronavirus Closings

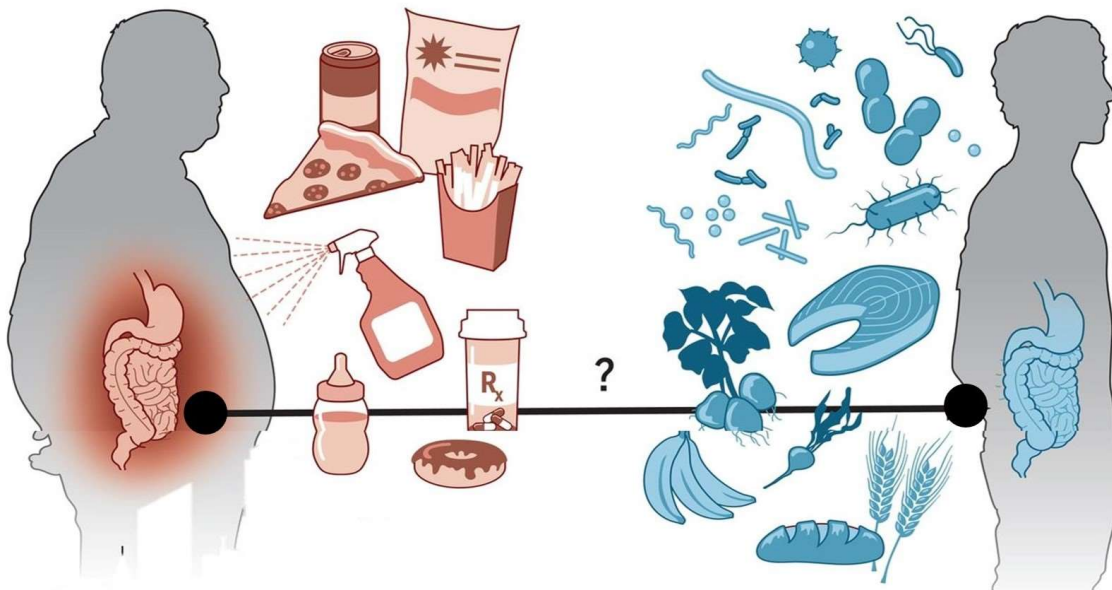
Besides illegal wildlife trading, it could cause a serious impacts on our ecosystems after habitat loss, threatening the extinctions of endangered species like white elephants, rhinos and pangolins etc. to the serious disturbances in the wildlife complexity web of their jungle life.



It is widely a known fact that in order to support the whole world consumption of chickens, particularly in China and the US chicken farms, the vast majority of broiler chickens are actually reared in an intensive and overcrowding sheds that can hardly see to have enough roaming space that is no bigger than an A4 paper size sheet that each bird can move around.

Moreover, many of these factory-farming conditions are unfavourable in which they are reared by force-feeding them with chemicals and making them grow fat and fast so that they can bring them to the slaughtering machine to kill, pack and ship to meet their greedy sales target for the rapidly worldwide population consumption.

Majority of the broiler chicken farms are force-feeding their animals with chemicals and making them grow fat and fast for the rapidly worldwide population consumption



Coronavirus Closings

And OMG! Imagine doubling the number of chickens to feed the world population in the next decade and if zoonoses get loose and spreading like wildfires by the 24 billion of infected birds across the globe, the catastrophe will be disastrous and practically irreparable damage.

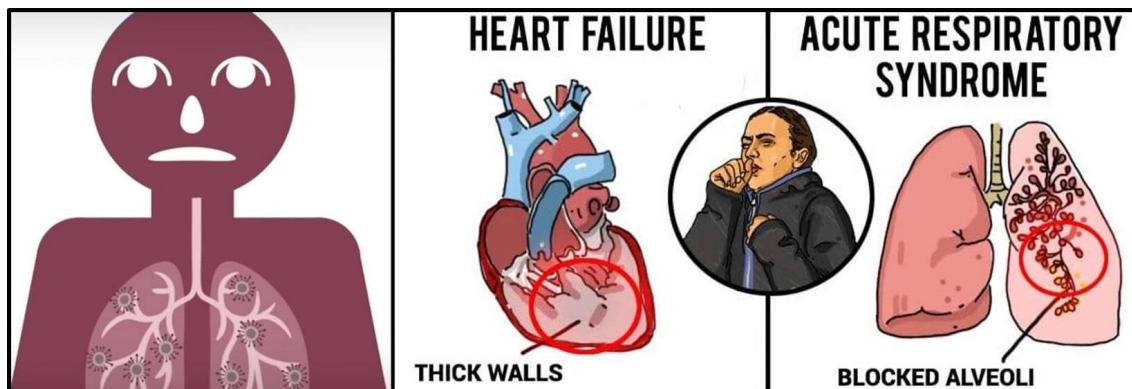


How many frontliners and healthcare workers are needed to engage to provide the care of the infected patients worldwide besides monetary and lives lost in an incurable diseases leading to death?

That is why it is a shocking fact to be told that the greatest impending danger is actually lurking in the undergrowth of our own backyard and one should not shudder off ignorantly.

For decades, scientists had scientifically established the fact that the **Spanish Flu was an avian influenza that had come from birds**. Influenza is also the top pick for the next humanity killer plague, the most deadly disease happenings in the history of humanity.

Death comes slowly for infected patient that begins just by having a simple flu, cough and aching muscles all over the whole body and then followed by fever before escalating to a more severe symptoms like blood squirting from their nose, ears and eye sockets, blood blisters appearing on their skin and also having breathing difficulties.

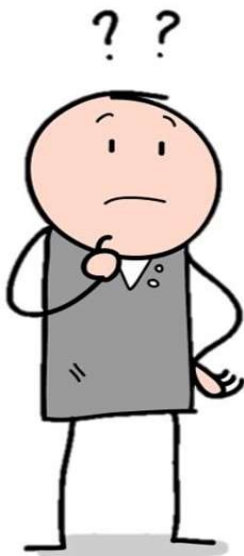
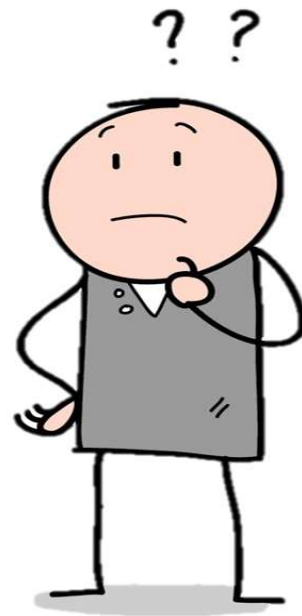


Coronavirus Closings

Finally, all the acute respiratory and organ failure had succumbed the victim to their lethal death. That is how horrific the death can go through, being helpless but just watching the victim undergoing such terrible sufferings.

As claims by the scientists and experts worldwide, the virus never stands still at the same state condition, but rather always in mutating form awaiting to create a new virus strain to cross over into humans through our own faults and negligence action.

The question that we should come into our mind is, “Corona Forewarnings to Human Being – What Is Your Take NOW?”



Coronavirus Closings

Misconceptions on Coronavirus Prevention

Coronavirus disease, COVID-19, advice for the public

World Health Organisation (WHO) has noted that the public has misconceptions about dealing with coronavirus prevention. It has now compiled a common list of mistakes that people usually misunderstood the prevention of it and hoping that the following measures can correct their misconceptions towards its prevention.

1. Those get infected can recover from it under medical care

Not every case is possible. You still need to see doctor when you are sick and not thinking that once you recover from COVID-19 infection, you are now immune to it. This is a wrong misconception!

Most people who get COVID-19 have mild or moderate symptoms and can recover thanks to supportive care.

If you have a cough, fever and difficulty breathing seek medical care early – call your health facility by telephone first.

If you have fever and live in an area with malaria or dengue seek medical care immediately.

FACT:
Most people who get COVID-19 recover from it



2. Drinking alcohol cannot kill coronavirus

Instead, the side effect is you are risking health problems and gradually turning yourself into an alcoholic person.

The harmful use of alcohol increases your risk of health problems.

FACT:
Drinking alcohol does not protect you against COVID-19 and can be dangerous.



Coronavirus Closings

3. Thermal scanners cannot effectively detect COVID-19 symptom

Fever is one of the new coronavirus symptoms. They are engaged to detect people with fever to isolate them from infecting the community.

Thermal scanners are effective in detecting people who have a fever (i.e. have a higher than normal body temperature). They cannot detect people who are infected with COVID-19.

There are many causes of fever. Call your healthcare provider if you need assistance or seek immediate medical care if you have fever and live in an area with malaria or dengue.

FACT:
Thermal scanners
CANNOT detect
COVID-19



4. To-date no licensed drug can treat the new viral infection

It relies on your immunity to fight against it. There is no proof showing that hydroxychloroquine treats COVID-19. Serious health side effects and death can impose on the patients through misusing of this drugs.

While several drug trials are ongoing, there is currently no proof that hydroxychloroquine or any other drug can cure or prevent COVID-19.

The misuse of hydroxychloroquine can cause serious side effects and illness and even lead to death.

WHO is coordinating efforts to develop and evaluate medicines to treat COVID-19.

FACT:
There are currently no
drugs licensed for the
treatment or prevention
of COVID-19



5. Pepper cannot prevent you from coronavirus

Putting ground peppers into food will not get rid of COVID-19 at all.

Hot peppers in your food, though very tasty, cannot prevent or cure COVID-19.

The best way to protect yourself against the new coronavirus is to keep at least 1 metre away from others and to wash your hands frequently and thoroughly. It is also beneficial for your general health to maintain a balanced diet, stay well hydrated, exercise regularly and sleep well.

FACT:
Adding pepper to your
soup or other meals
DOES NOT prevent or
cure COVID-19.



Coronavirus Closings

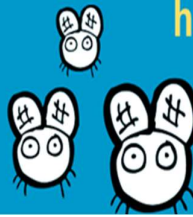
6. Houseflies and mosquito bites cannot transmit coronavirus

Viruses spread primarily through droplets from infected person who coughs, sneezes or speaks and contaminate on surface areas. You can only get infected if you touch the contaminated surface or come

To date, there is no evidence or information to suggest that the COVID-19 virus is transmitted through houseflies.

The virus that causes COVID-19 spreads primarily through droplets generated when an infected person coughs, sneezes or speaks. You can also become infected by touching a contaminated surface and then touching your eyes, nose or mouth before washing your hands. To protect yourself, keep at least 1-metre distance from others and disinfect frequently-touched surfaces. Clean your hands thoroughly and often and avoid touching your eyes, mouth and nose.

FACT:
COVID-19 IS NOT
transmitted
through
houseflies



near to the infected patients without social distancing measures.

7. Spraying disinfectant into your body cannot prevent COVID-19

Disinfectant substances are poisonous. Spraying onto your body is dangerous. Ingestion into your body can cause skin irritation, damage

Do not under any circumstance spray or introduce bleach or any other disinfectant into your body. These substances can be poisonous if ingested and cause irritation and damage to your skin and eyes.

Bleach and disinfectant should be used carefully to disinfect surfaces only.

Remember to keep chlorine (bleach) and other disinfectants out of the reach of children.

FACT:
Spraying or introducing
bleach or another
disinfectant into your
body WILL NOT protect
you against COVID-19
and can be dangerous



and blinding your eyes.

8. Drinking methanol, ethanol or bleach is harmful to yourself

Methanol, ethanol and bleach agent are used in cleaning products to

Methanol, ethanol, and bleach are poisons. Drinking them can lead to disability and death. Methanol, ethanol and bleach are sometimes used in cleaning products to kill the virus on surfaces – however you should never drink them. They will not kill the virus in your body and they will harm your internal organs.

To protect yourself against COVID-19, disinfect objects and surfaces, especially the ones you touch regularly. You can use diluted bleach or alcohol for that. Make sure you clean your hands frequently and thoroughly and avoid touching your eyes, mouth and nose.

FACT:
Drinking methanol,
ethanol or bleach
DOES NOT prevent
or cure COVID-19
and can be
extremely
dangerous



kill viruses on surface areas. It can never kill viruses inside your body but will only bring damage to own internal organs.

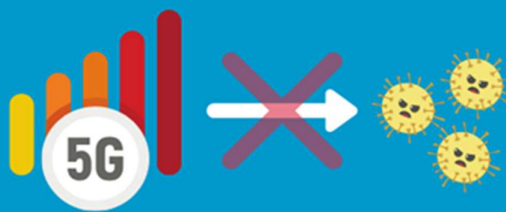
Coronavirus Closings

9. 5G mobile networks cannot transmit the spread of coronavirus

Viruses is impossible to travel through radio waves or mobile air transmission. He/she can only get infected via respiratory droplets or come near the infected person without wearing a proper mask and has no social distancing measure and not washing his/her hand frequently.

Viruses cannot travel on radio waves/mobile networks.
COVID-19 is spreading in many countries that do not have 5G mobile networks.
COVID-19 is spread through respiratory droplets when an infected person coughs, sneezes or speaks.
People can also be infected by touching a contaminated surface and then their eyes, mouth or nose.

FACT: 5G mobile networks DO NOT spread COVID-19



10. Exposing and sun tanning under hot sun or taking extreme hot bath or humid wet climate does not protect you from coronavirus

Hot or cold weather, the virus will not spare you from getting infected if you do not adhere to your basic personal hygiene. The same rule still applies, “Wash hands with soap frequently. Wear mask for outdoor activity and avoid touching your eyes, mouth and nose areas.”

You can catch COVID-19, no matter how sunny or hot the weather is.
Countries with hot weather have reported cases of COVID-19.
To protect yourself, make sure you clean your hands frequently and thoroughly and avoid touching your eyes, mouth and nose.

FACT: Exposing yourself to the sun or to temperatures higher than 25C degrees DOES NOT prevent nor cure COVID-19



The COVID-19 virus can be transmitted in any climate, including areas with hot and humid weather.
The best way to protect yourself against COVID-19 is by maintaining physical distance of at least 1 metre from others and frequently cleaning your hands. By doing this you eliminate viruses that may be on your hands and avoid infection that could occur by then touching your eyes, mouth, and nose.

FACT: COVID-19 can be transmitted in areas with hot and humid climates



There is no reason to believe that cold weather can kill the new coronavirus or other diseases.
The normal human body temperature remains around 36.5°C and 37°C, regardless of the external temperature or weather.
The most effective way to protect yourself against the new coronavirus is by frequently cleaning your hands with alcohol-based hand rub or washing them with soap and water.

FACT: Cold weather and snow CANNOT kill the new coronavirus



Coronavirus Closings

Taking extreme hot bath cannot prevent you from coronavirus, but rather it burns your skin tissues.

FACT:
Taking a hot bath does not prevent the new coronavirus disease

Taking a hot bath will not prevent you from catching COVID-19. Your normal body temperature remains around 36.5°C to 37°C, regardless of the temperature of your bath or shower. Actually, taking a hot bath with extremely hot water can be harmful, as it can burn you.

The best way to protect yourself against COVID-19 is by frequently cleaning your hands. By doing this you eliminate viruses that may be on your hands and avoid infection that could occur by then touching your eyes, mouth, and nose.



11. Recovered patient doesn't mean he is free from the killer disease

You still need to see doctor if you have cough, fever and breathing difficulty.

FACT:
Being able to hold your breath for 10 seconds or more without coughing or feeling discomfort DOES NOT mean you are free from the coronavirus disease (COVID-19) or any other lung disease.

The most common symptoms of COVID-19 are dry cough, tiredness and fever. Some people may develop more severe forms of the disease, such as pneumonia. The best way to confirm if you have the virus producing COVID-19 disease is with a laboratory test. You cannot confirm it with this breathing exercise, which can even be dangerous.



World Health Organization #Coronavirus #COVID19

12. Hand dryers cannot prevent you from coronavirus infection

Personal hygiene is still the best method to prevent it.

Are hand dryers effective in killing the new coronavirus?

No. Hand dryers are not effective in killing the 2019-nCoV.

To protect yourself against the new coronavirus, you should frequently clean your hands with an alcohol-based hand rub or wash them with soap and water. Once your hands are cleaned, you should dry them thoroughly by using paper towels or a warm air dryer.



Coronavirus Closings

13. UV, Ultra-violet, lamps shine on your body cannot disinfect and kill the virus

It imposes an irreparable health damage to your body when exposing to UV rays. It can cause skin cancer and blind your eyes permanently.

UV radiation can cause skin irritation and damage your eyes.

Cleaning your hands with alcohol-based hand rub or washing your hands with soap and water are the most effective ways to remove the virus.

FACT:
Ultra-violet (UV) lamps should not be used to disinfect hands or other areas of your skin.



14. Anti-flu vaccine cannot treat COVID-19

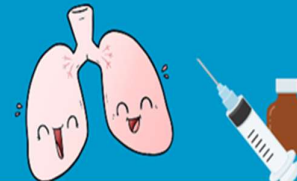
Until to-date, none of the vaccines can treat the new virus disease.

No. Vaccines against pneumonia, such as pneumococcal vaccine and Haemophilus influenza type B (Hib) vaccine, do not provide protection against the new coronavirus.

The virus is so new and different that it needs its own vaccine. Researchers are trying to develop a vaccine against 2019-nCoV, and WHO is supporting their efforts.

Although these vaccines are not effective against 2019-nCoV, vaccination against respiratory illnesses is highly recommended to protect your health.

Do vaccines against pneumonia protect you against the new coronavirus?



15. Nasal wash with Saline solution cannot prevent coronavirus

Vaccine against pneumonia do not protect against the killer disease. Sinus patients can use saline solution to wash away their nasal mucus but it does not help to prevent coronavirus.

Rinsing nose regularly with saline solution helps to reduce mucus but does not eradicate respiratory infection.

No. There is no evidence that regularly rinsing the nose with saline has protected people from infection with the new coronavirus.

There is some limited evidence that regularly rinsing the nose with saline can help people recover more quickly from the common cold. However, regularly rinsing the nose has not been shown to prevent respiratory infections.

Can regularly rinsing your nose with saline help prevent infection with the new coronavirus?

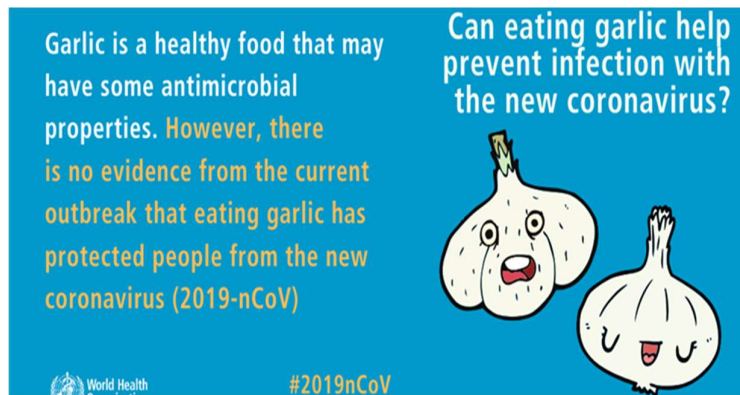


Coronavirus Closings

16. Eating raw garlic cannot help in coronavirus prevention

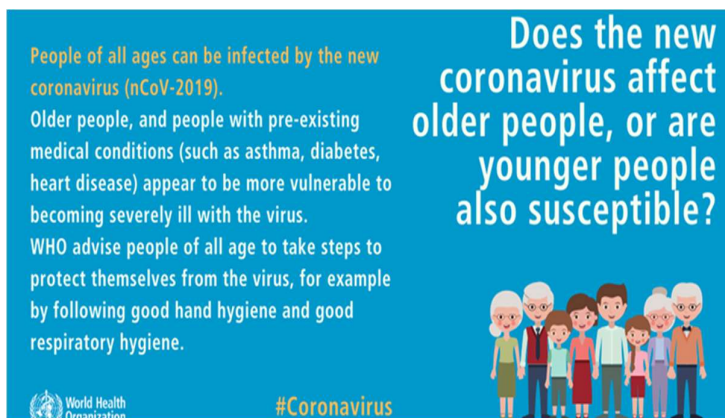
Garlic contains anti-oxidant properties that protects against cell damage and aging.

It reduces cholesterol and blood sugar levels, regulates blood pressure and reduces the risk of common brain diseases like Alzheimer's disease and dementia.



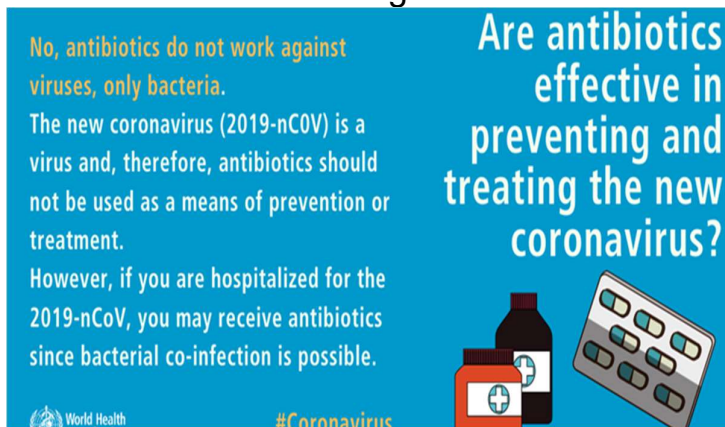
17. Coronavirus don't only target older people

Patients with pre-existing medical conditions with respiratory and heart problems are vulnerable. They are reminded to stay home from going out and advised to strictly adhere to good personal hygiene and respiratory hygiene to wearing masks when going out unless necessary.



18. Antibiotics cannot treat the new coronavirus

COVID-19 is a virus and not bacteria. As such, the use of antibiotics is not effective to treat viral infection. Virus infection needs anti-viral drugs. But none of the anti-viral drugs can treat it because it is a new virus that has come with different characteristics and multiple form of mutations at a short span of time on different infected patients. Making a vaccine of that kind is not as easy as it seen to be.



Coronavirus Closings

The Race to Corona Vaccine

1. Country: India

On 13 May 2020, India's Health Ministry had approved Glenmark Pharmaceuticals, an India-based company, to start its Phase III clinical trials of anti-flu drug favipiravir to be developed. The Phase III clinical trial had given the approval to administer it into 150 infected patients with mild to moderate infection. The new drug will be registered under the brand name "FabiFlu" for COVID-19 drug treatment.

The collated data gathered from the clinical trials on these infected patients is of significant statistics to the authorities with regard to the COVID-19's treatment and management. The company anticipates the study to be completed by July or August 2020 in India for the trials to begin.

2. Country: Russia

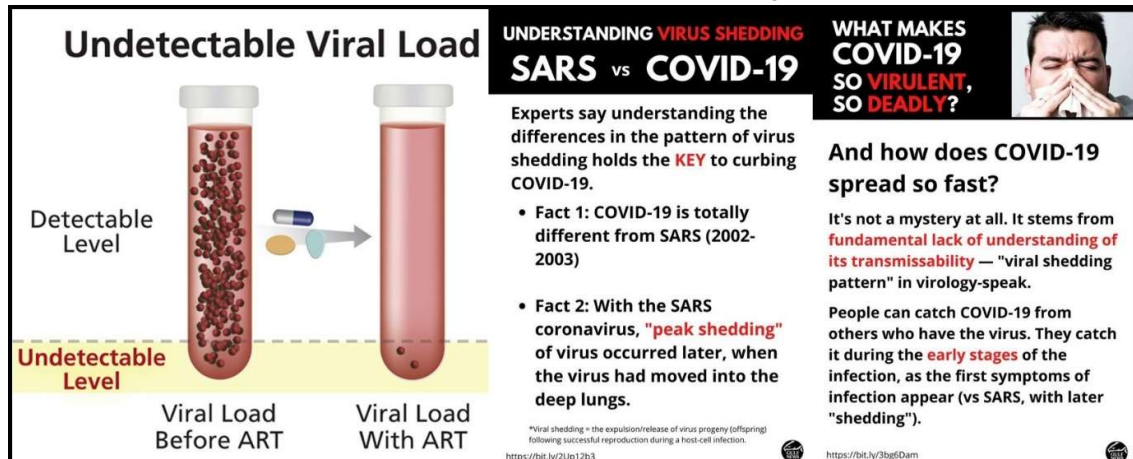
Russian scientists are on the way to start the coronavirus vaccine clinical trials on infected patients who voluntarily wanted to take part in the trial run as their Health Ministry had just announced on 31 May 2020 and had given the approval for the country's first anti-COVID-19 drug to be administered into humans after a series of trials were successfully carrying out on animals.

The country experts and researchers are working tirelessly for 50 types of vaccine projects to find the one single vaccine that can treat the virus that had so far taken away more than 396,575 deaths and infected more than 6 million people across the globe as soon as possible to control the spread of the pandemic. The final stage of the clinical trials is now under way with already 330 participants on the waiting list to be administered by this new anti-influenza viral drug known as **favipiravir**, Avifavir, which so far claimed to be an effective drug treatment to COVID-19 so far.

Scientists had predicted that a safe and effective vaccine could take about 12-18 months. But, given the urgency of it in the face of pandemic, they hope that the clinical trials can complete in mid-September 2020 instead of year 2021.

In line with the scientific investigations conducted by the fellow scientists collating from more than 35,000 whole virus genomes to-date, WHO and the other experts say there is still no evidence of showing that the killer disease had been becoming less potent or weakening in any way.

Coronavirus Closings



Mainly due to the multiple form of mutations from different characteristics of the virus, scientists were stumbled upon the unknown discoveries which shows unambiguous result revealing extremely significant differences between the viruses' samples taken from patients that were sent for laboratory test in March when comparing to those submitted in May. The interaction between the virus and the host has changed dramatically within a short span of time where they had never seen before.

3. Country: UK

Human trials in UK are using the unproven coronavirus vaccine on the use of ZD1222 vaccine to stop the virus spread and rebuild the economy. If successful, it will be developed and produced at Prof Hill's Oxford laboratory and planning to have the vaccine ready for testing by the end of 2020. According to the scientists working on the vaccine, the effectiveness of the human trials as to whether it works can only come to know the effective success rate within 2 months after the first human trials for a COVID-19 vaccine begins on 23 April 2020 (Thursday) in UK lead by the University of Oxford taskforce.



Coronavirus Closings

4. Country: Singapore

Singapore has been doing research on 2 main key areas in order to combat against COVID-19 pandemics.

- a) Singapore scientists at Duke-NUS Medical School are currently working on an improved version of a vaccine similar to the one that Moderna is working on as reported by Wang Linfa, professor and director of the Emerging Infectious Diseases program telling CNBC on Wednesday, 20 May 2020. Adding to it, he hopes Phase 1 clinical trials on humans could start off earlier in one to two months' time.
- b) A new COVID-19 test kit was developed by the school under the name of CPASS, a coronavirus antibody tests which allow the test results to deliver in one hour time instead of days by detecting the pattern of coronavirus antibodies on human body in terms of measuring their neutralizing bodies.



The main aim is to quickly detect its early existence in human body rather than the infection confirmation so that during the screening test, the infected person can be isolated earlier from the community. The test kit will be useful in areas like hospitals, clinical labs, contact tracing and herd immunity to effectively detect early results and slow down the disease from further spreading. Currently, CPASS has already obtained similar approval from the EU community and is now awaiting for approval by the Food and Drug Administration (FDA) in the United States before commercially make available across the globe.

Coronavirus Closings

5. Country: USA

According to Dr Anthony Fauci, Moderna's Phase 3 COVID-19 vaccine trial on humans will be starting off in July 2020 soon. The trials include a study of 30,000 patients in America of which some will be as young as 18 and the elderly as well.



A phase 3 vaccine trial which is an improved version of the Phase 2 vaccine known as the mRNA-1273 is being considered the final drug development stage.



If the successful effective rate is much higher, it will then be made available across the country.

Phase 2 clinical trials involve 600 patients while Phase 3 trials cover a wider participants of 30,000 in the battle against the deadly virus.

Coronavirus Closings

6. Country: China

Vaccine trials on humans have started in China led by the Beijing and Wuhan Institutes of Biological Products. The vaccines will be developed and produced by the Chinese company Sinovac and if the vaccine trials' results turn out successful in the fight against the deadly virus, it will then be produced globally. The first phase of the vaccine trial had started across three age groups involving 96 volunteers on 23 April 2020. The total number of vaccine trials is three with each and every one to be closely monitoring its effectiveness results.



7. Country: Germany

Pfizer, a German Pharmaceutical company, is working with Biotech and Chinese firm Fosan Pharma on the potential COVID-19 vaccine to start off live human testing in late April 2020 in Germany.



Coronavirus Closings

Making a Fortune on Corona Vaccine



As the global pandemic is gripping tight to find an effective vaccine to treat the killer disease, many countries and companies are taking financial risks into mass production of a figure estimating 100 million doses of a possible vaccines before they can even know whether the new vaccine is safe and works effectively on the lives of humans, reaching a wider scale of infected population across the country to get back on their economy.

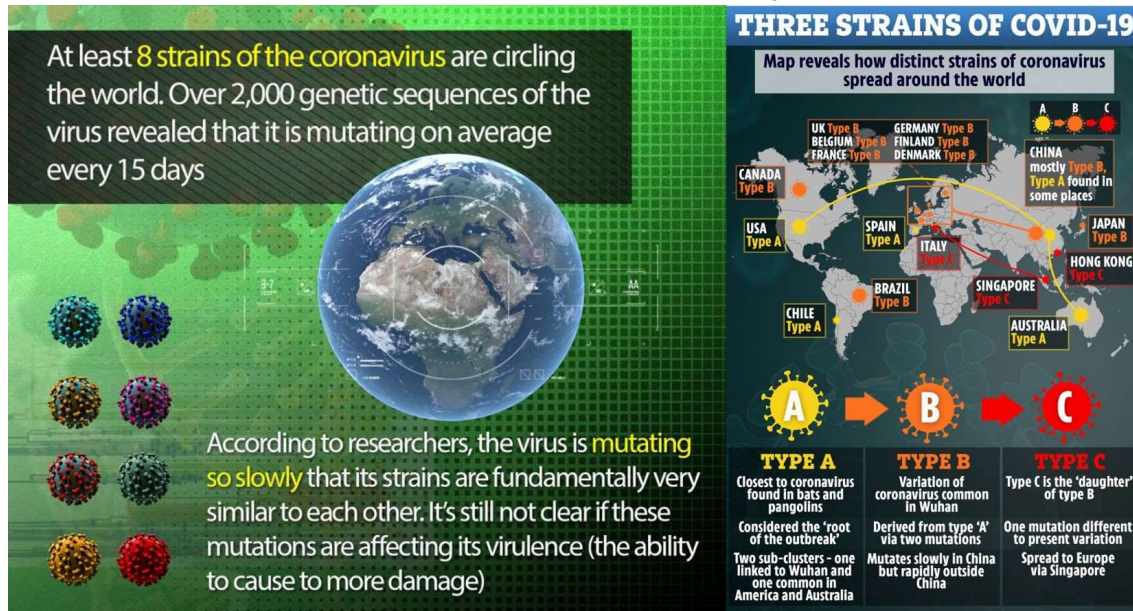


Time is racing out like a marathon on their first, second and third phase of vaccine trials on living humans with better vaccines each time administering into volunteers and tracking down every progress they had made over time.

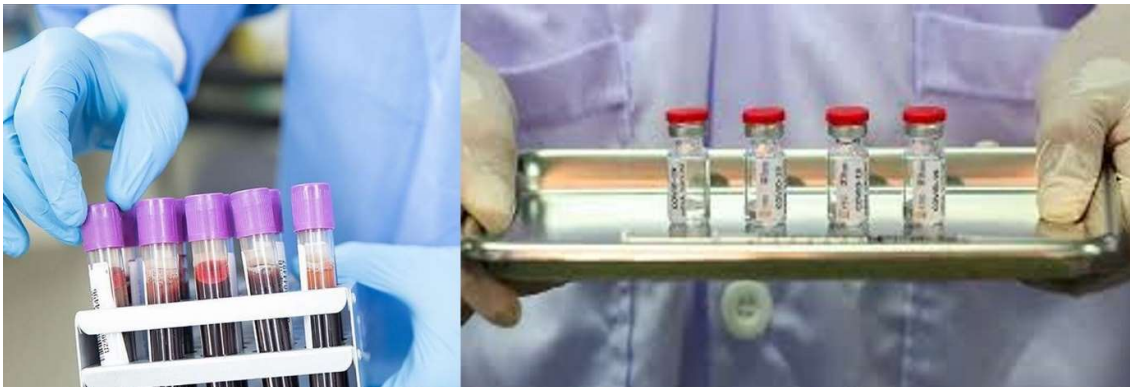
Joint venturing and partnering with one company with another from other countries is the only way out to have a quick adoption and scaling up the mass manufacturing of the new vaccine to deliver across the global regions once the human clinical trial proves effective.



Coronavirus Closings



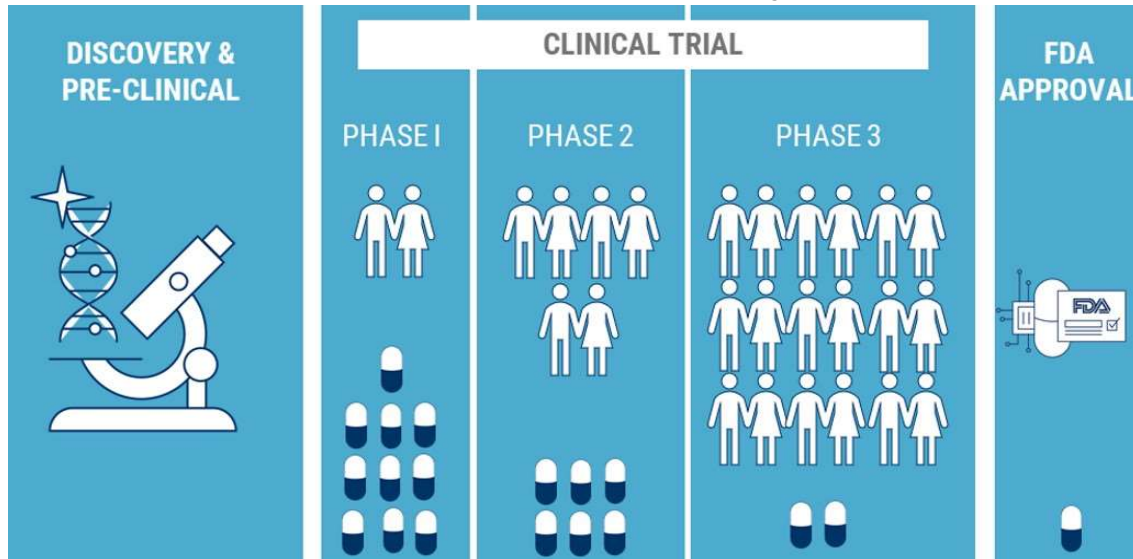
Moreover, billions of dollars are sinking into this vaccine bets with extraordinary low odds of success due to the reason that this new virus can jump into multiple form of mutations with different characteristics within a short window time frame and it just cannot developed a single one vaccine to treat for all.



On the other hand, the ultimate aim is to identify an effective COVID-19 vaccine, tested safe and scaling up on a mass production of hundreds of millions of doses within 12 to 18 months to be delivered globally and quickly provide immunity to all citizens, halting the spread of the deadly virus and spinning back their economy to shape.



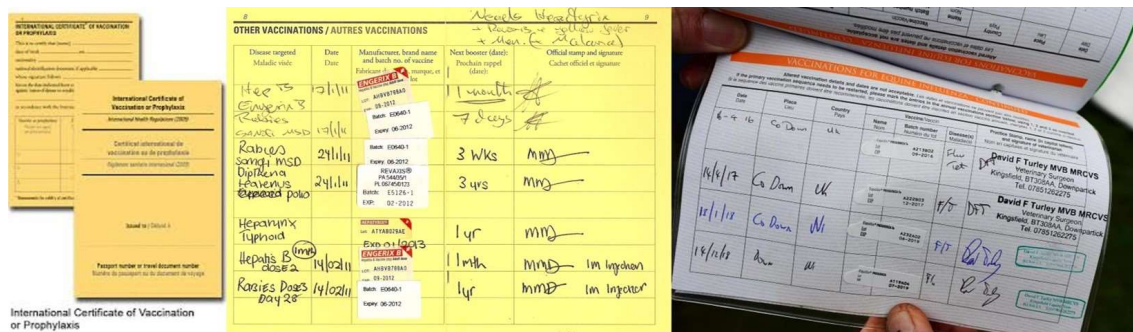
Coronavirus Closings



Volunteers who enrol in clinical trials are spurring hope that the potential coronavirus vaccine will have much a higher success rates after the first and second phase trials.

As a matter of fact, that's the challenge of this new deadly virus contagion that scientists are stumbling at their newly founded research studies ever since it emerged in Dec 2019 from the epicentre, Wuhan China, and was spreading like wildfires from epidemic to pandemic outbreak across the global regions; destroying lives, jobs loss, tumbling the world stock markets and putting halt to the economies and trading.

Scientists and experts have forewarned that vaccine development usually takes year to realise. So, governments have also stated clearly that daily life cannot return back to normal again until someone has invented a coronavirus antibody to fend off the virus. For now, it is still too early to determine if any of the vaccine trials on living human will be successful in later-stage clinical trials.



Coronavirus Closings

Meanwhile, before coronavirus vaccine takes its time to show its effectiveness, many had suggested to have a **vaccine passport or immunity passport** to be created into the world so as to allow those recovered coronavirus patients to break free from the lockdown and getting them back to work.



As the global economy is still struggling under the virus rage, country needs to open up their borders to continue doing their essentials goods and trading activities worldwide.

It is just not workable and impractical to have every industry sectors being lockdown and economy come to a halt awaiting for a vaccine miracle to come. At least, with the vaccine passport on hand, it gives the country a headstart on reigniting those essential service sectors back to course and keeping jobs for citizens to sustain their livelihood.

While doing that, people still need to continue and maintain their hygiene regime daily like wearing masks and washing hands with soap frequently to reduce the spread of the virus transmission and also continuing their social distancing measures as part of the daily routine activities.

